

FIG. 1A

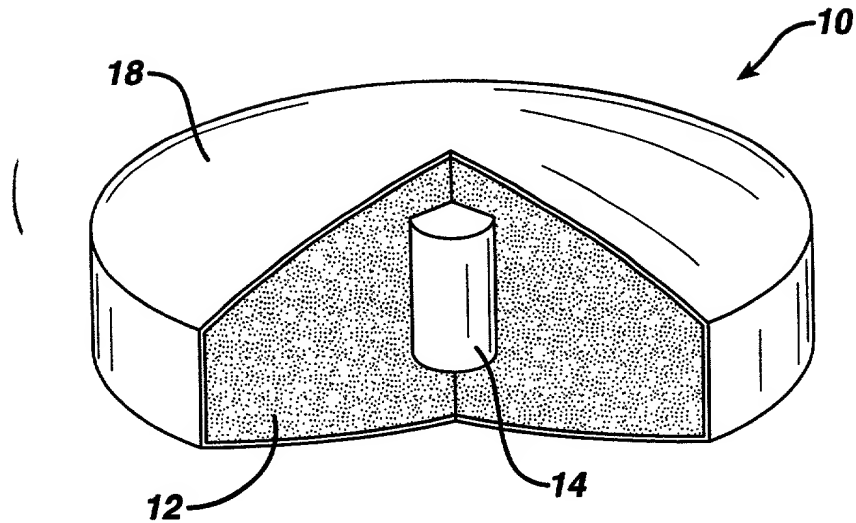
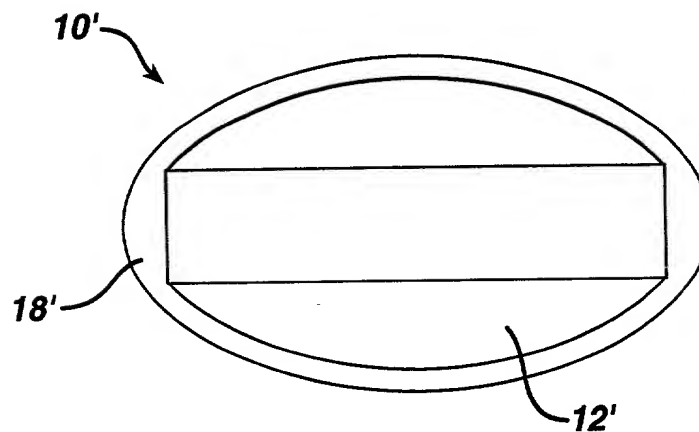


FIG. 1B



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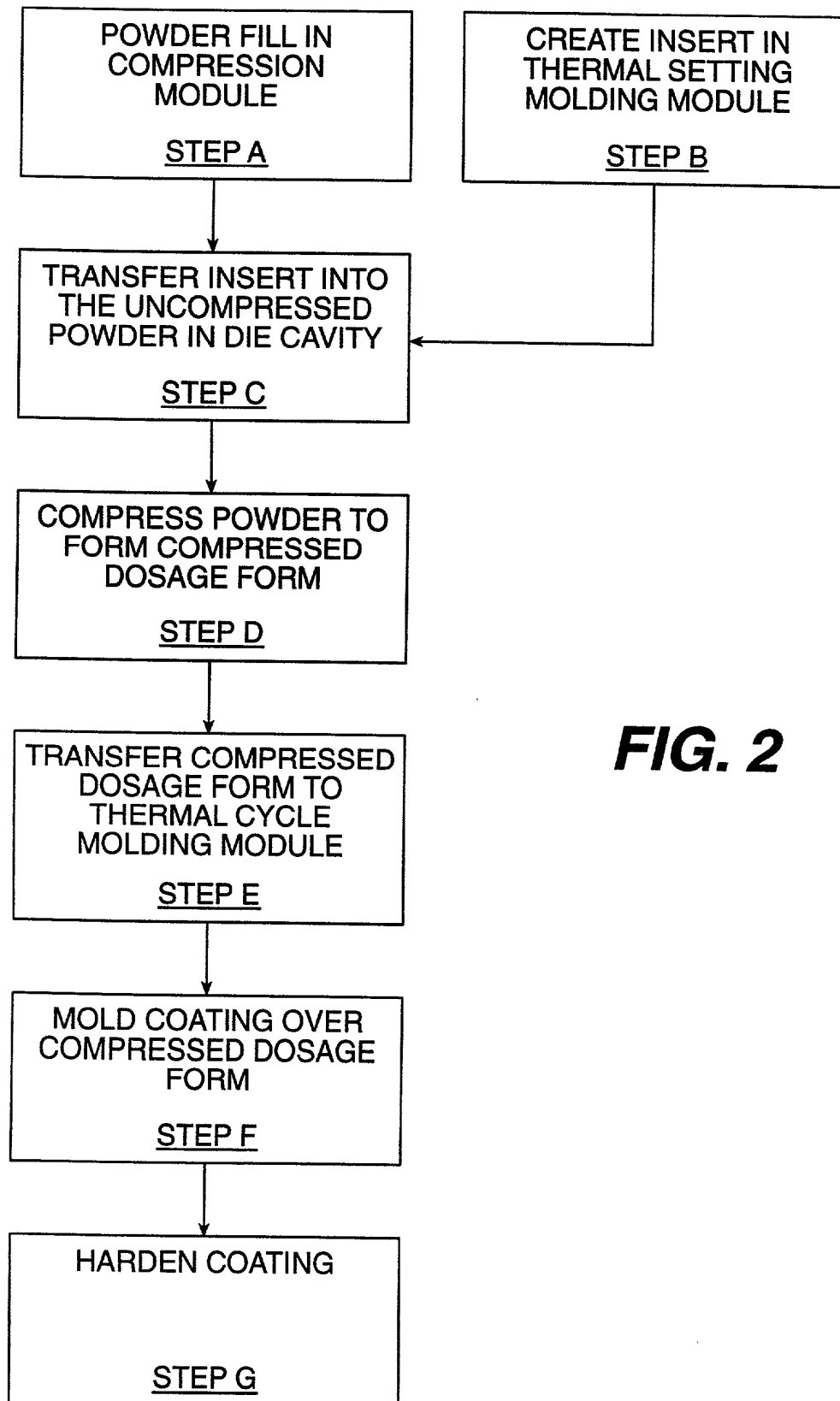


FIG. 2



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FIG. 4

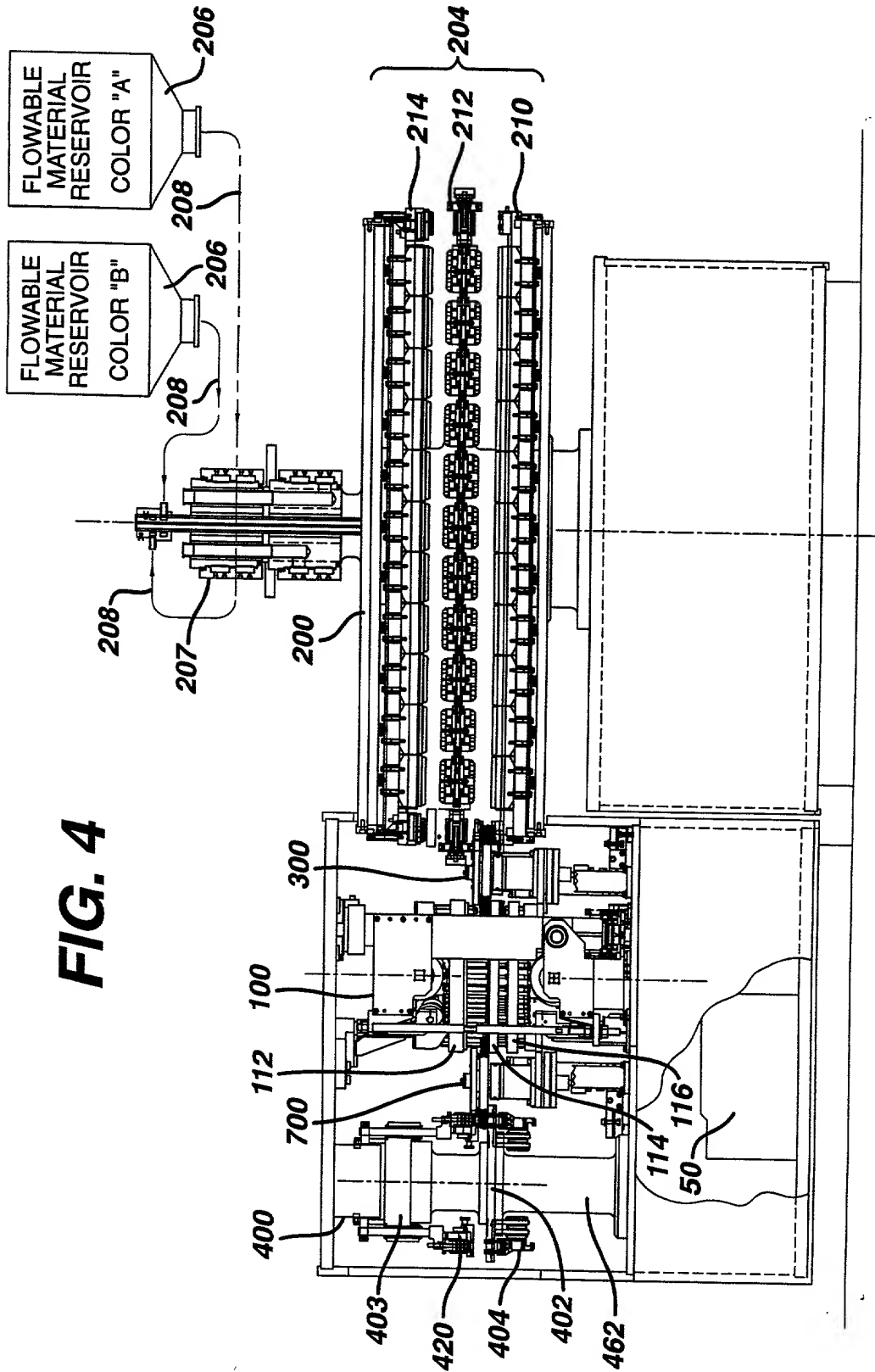


FIG. 5

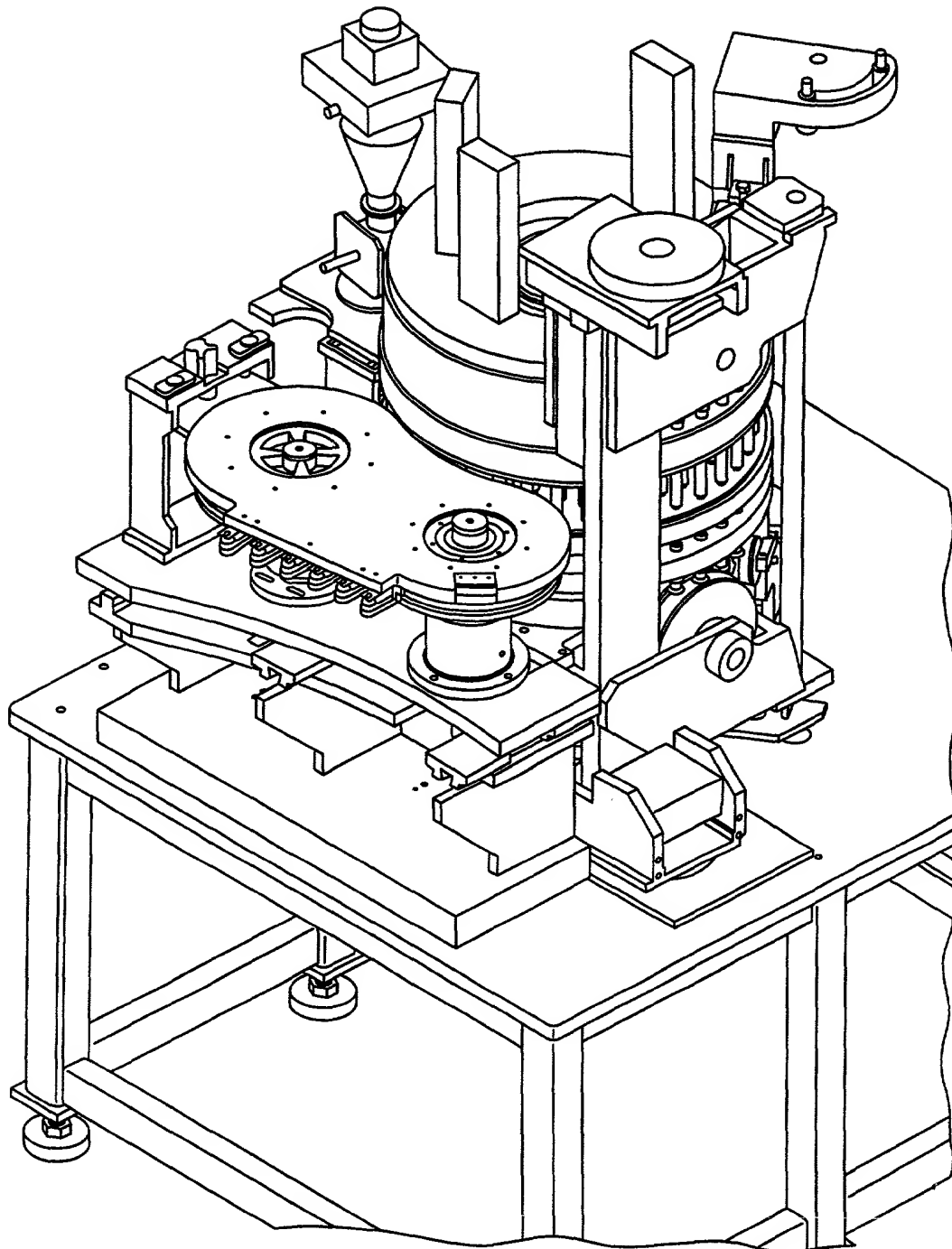
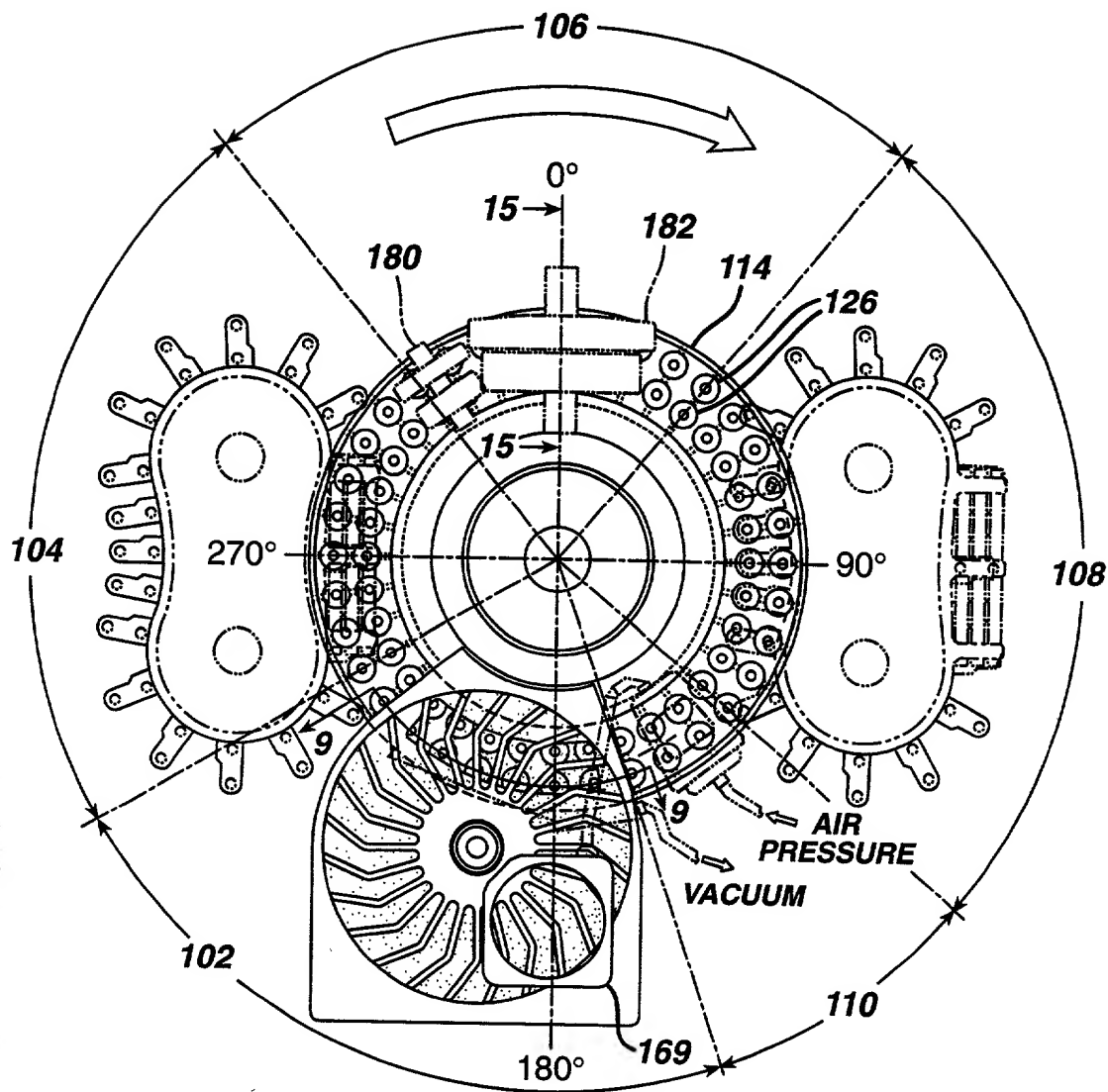


FIG. 6



2025-03-03 09:39:00

TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0293 CUST. #: 000027777

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FIG. 7

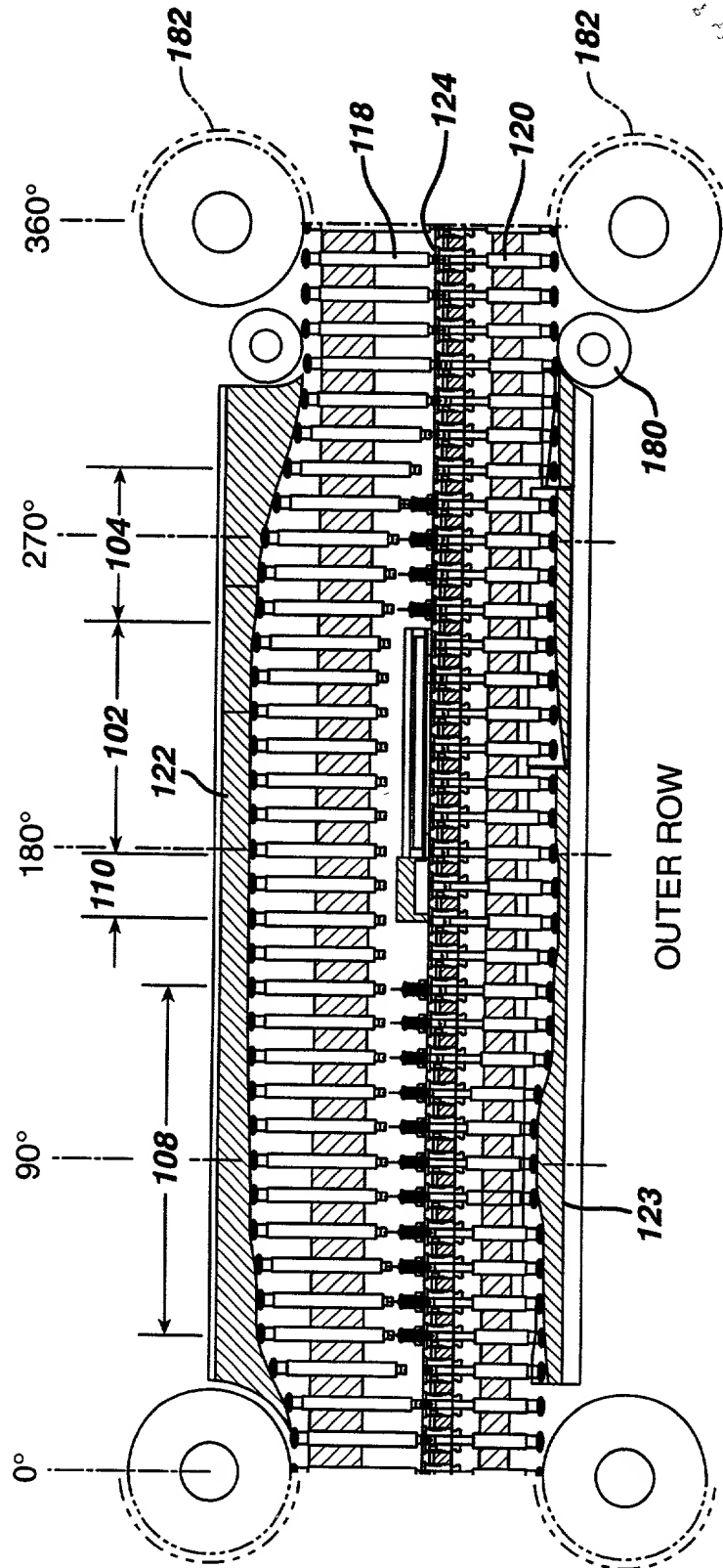
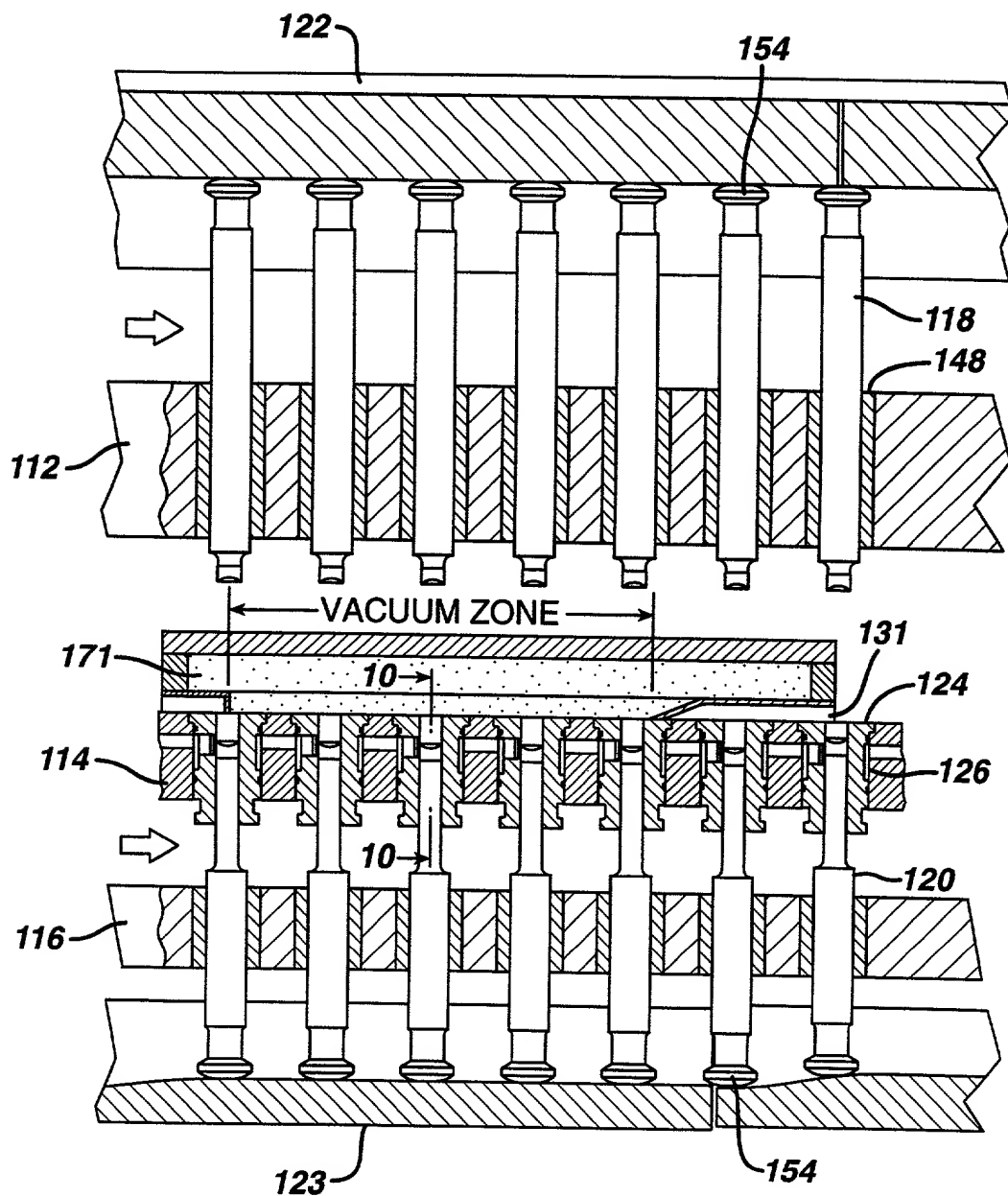


FIG. 1 is a schematic diagram of a circular array of microstructures. The array is divided into an "INNER ROW" and an "OUTER ROW". The inner row contains microstructures 118 and 120, while the outer row contains microstructures 182. The array is mounted on a substrate 122. A central region 123 is also indicated. Angular positions are marked at 0°, 90°, 180°, 270°, and 360°. Linear dimensions 180, 102, 104, and 110 are shown along the horizontal axis.

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FIG. 9



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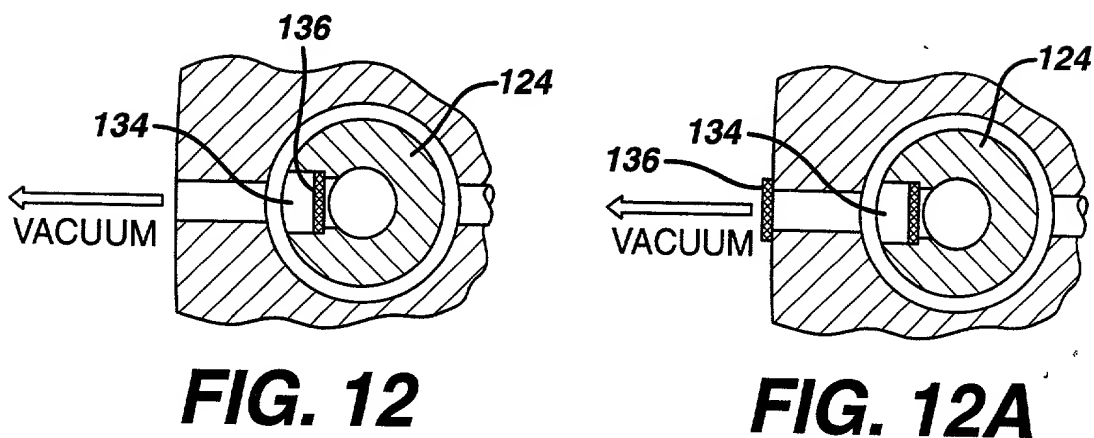
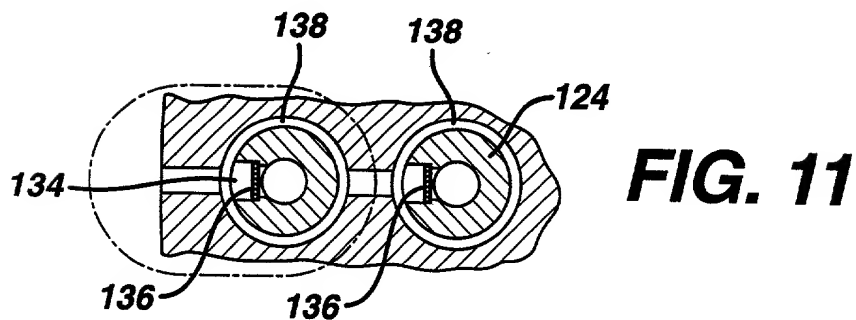
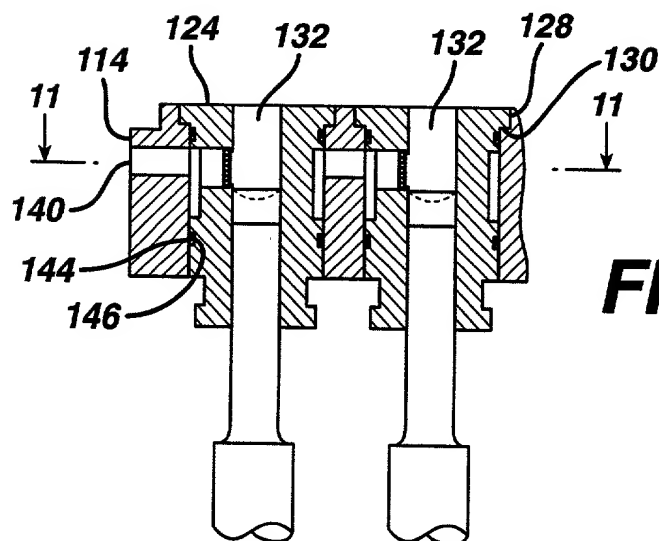
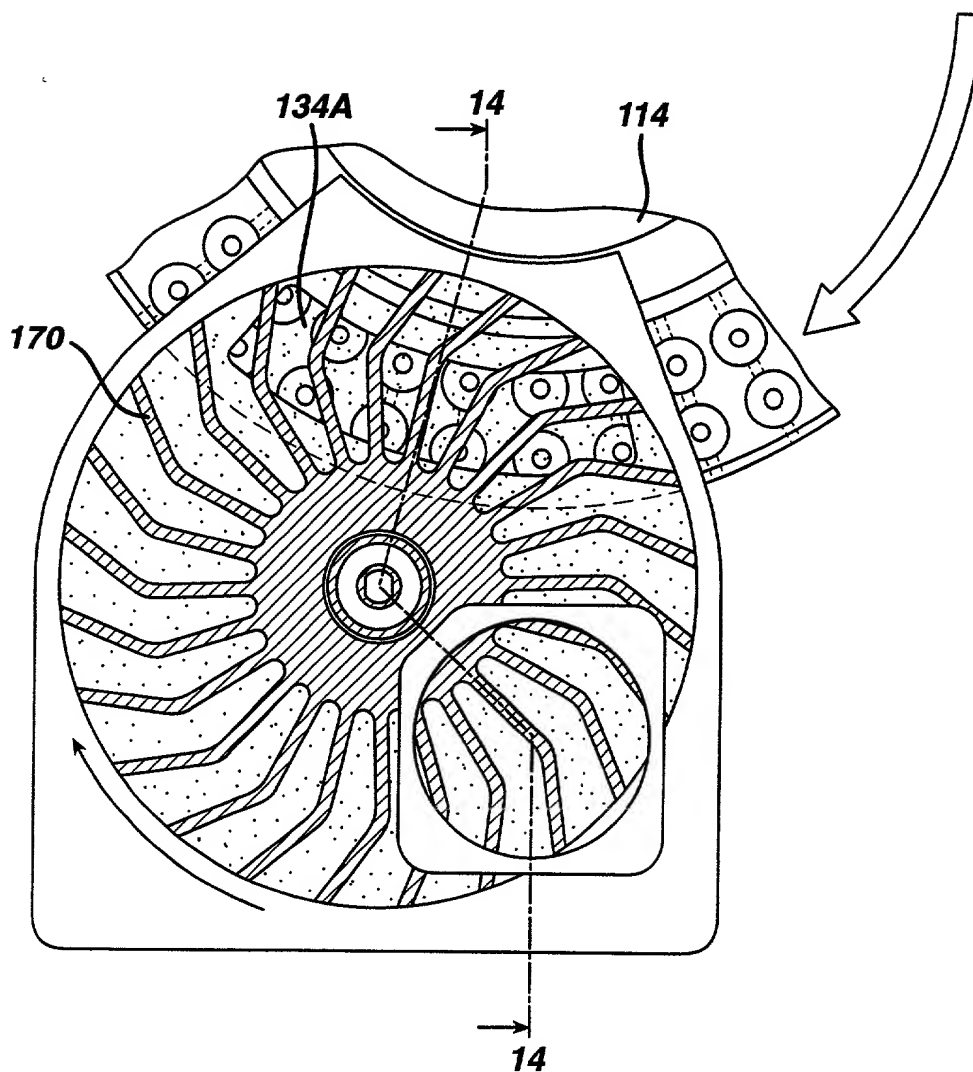


FIG. 13



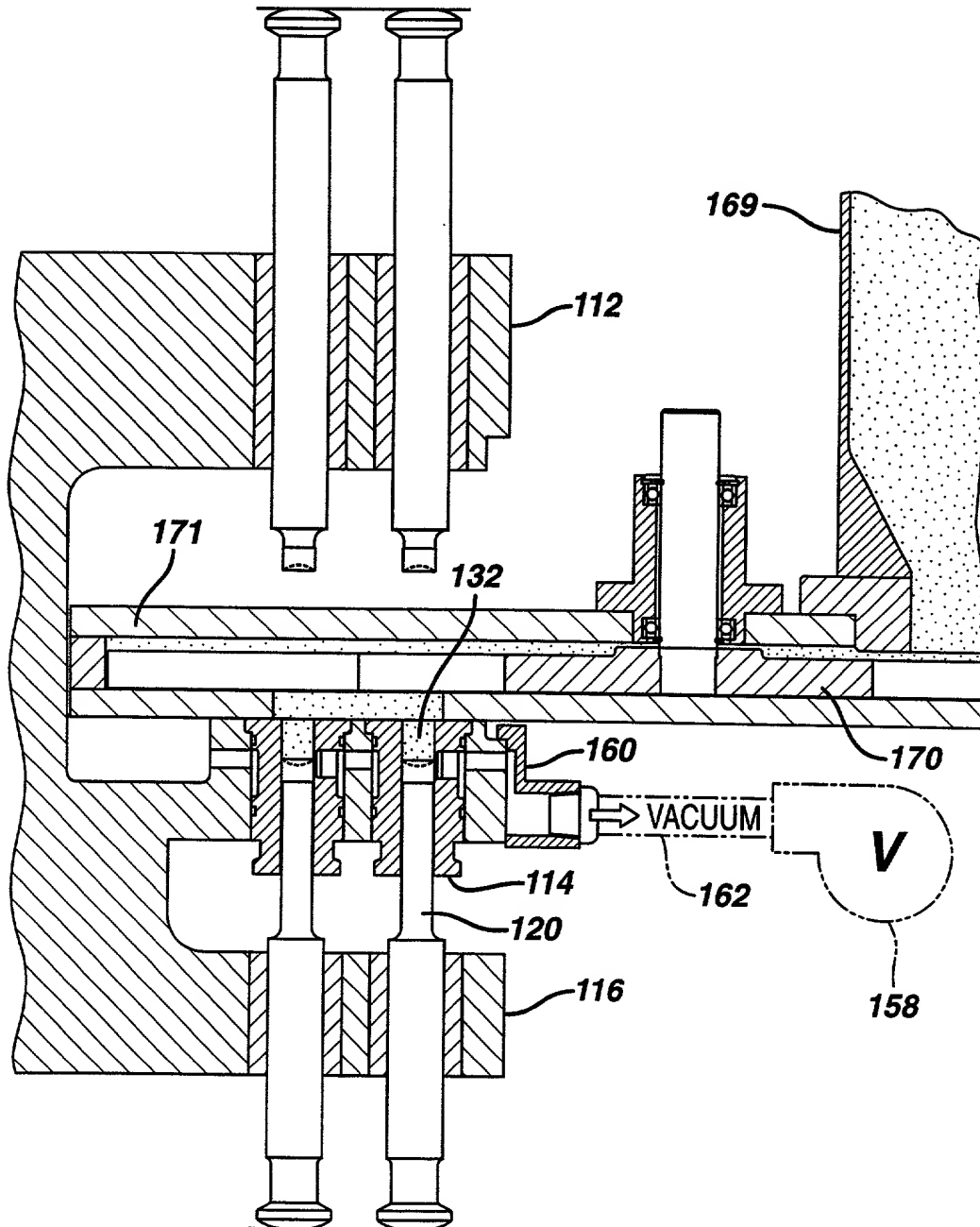
[illegible]



FIG. 16

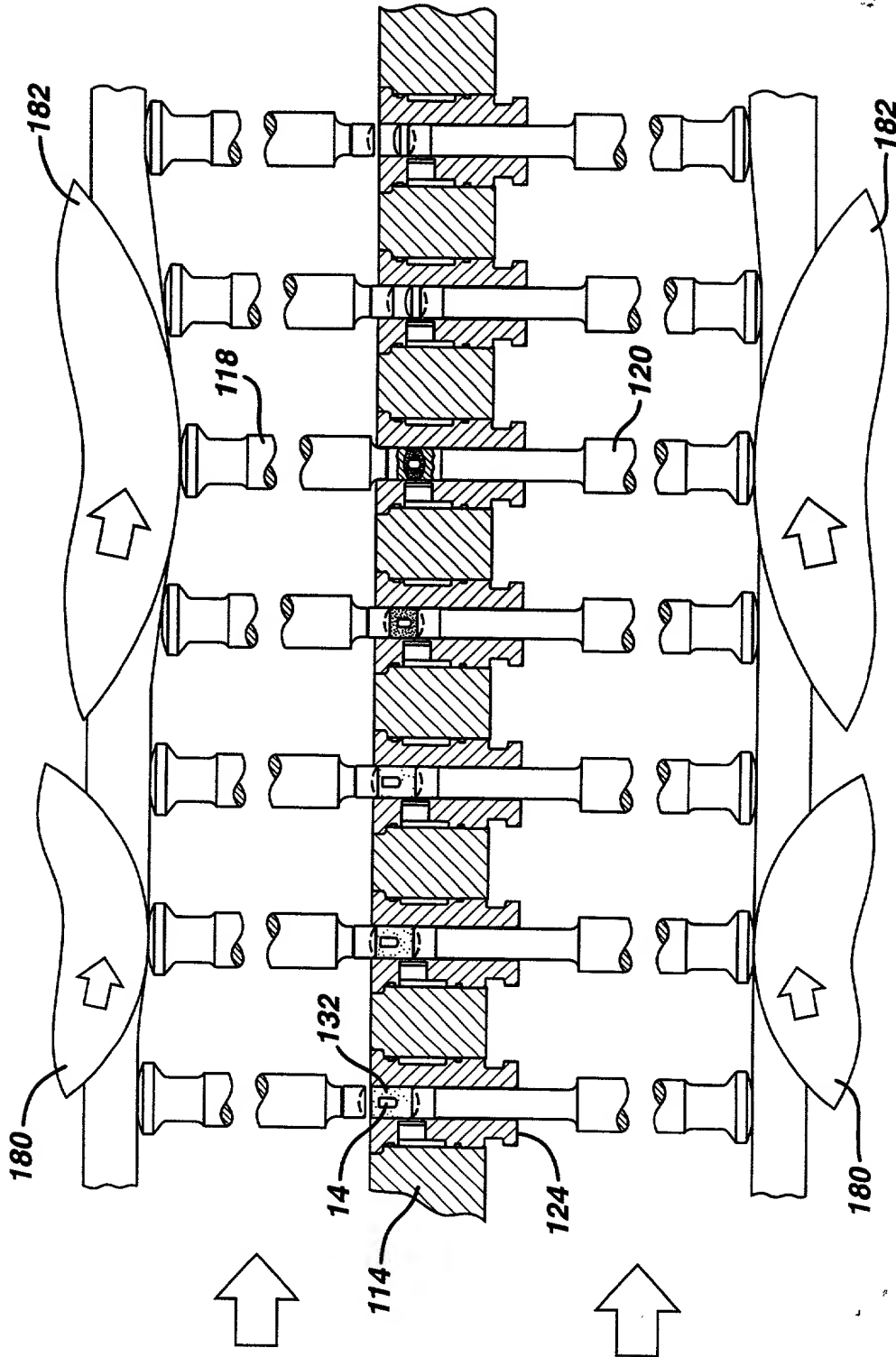
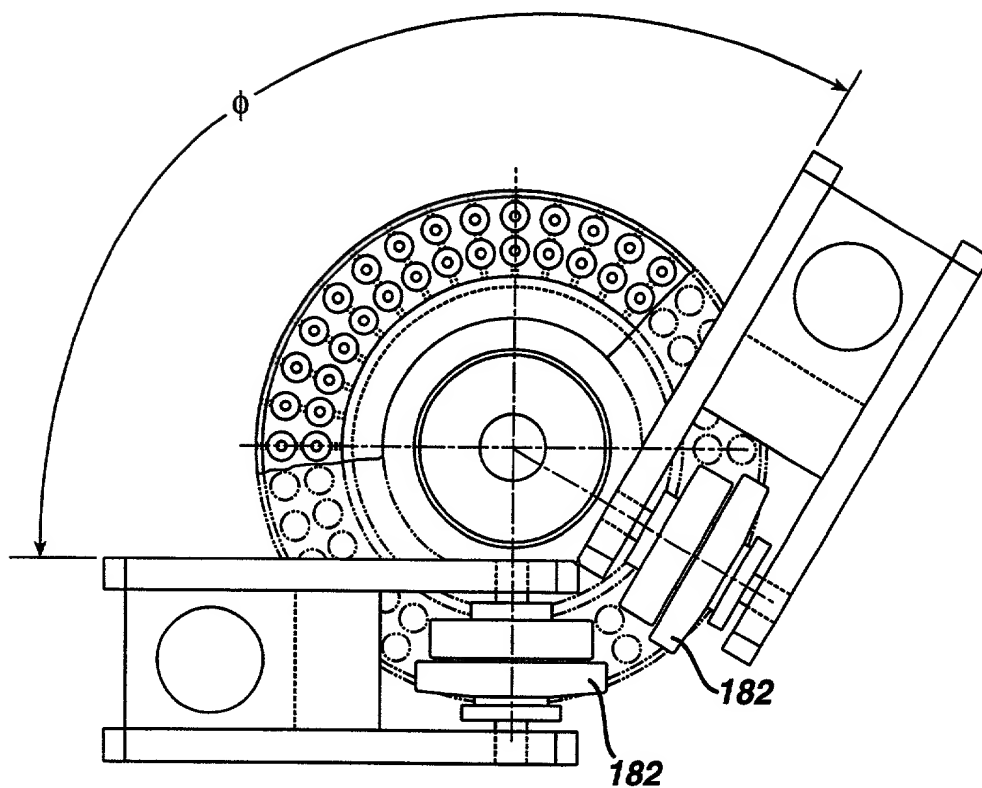


FIG. 17A



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FIG. 17C

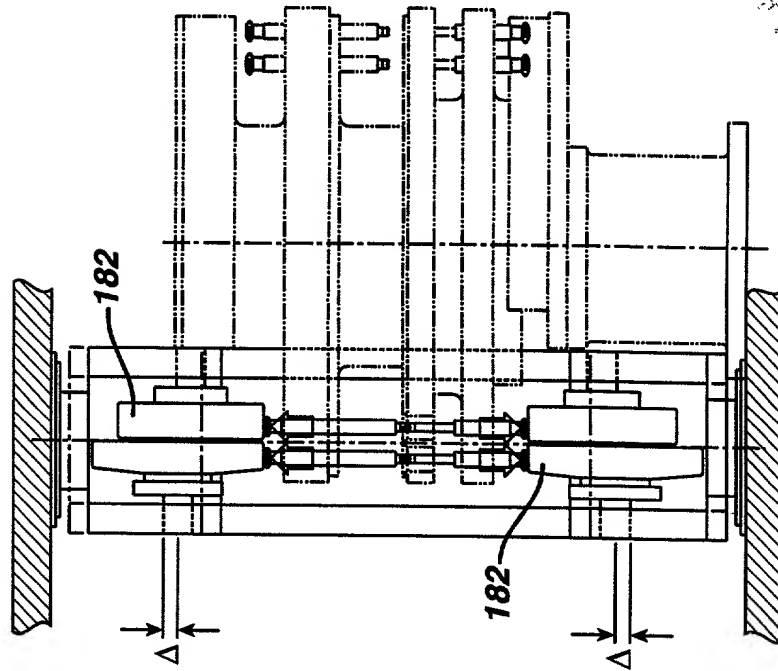
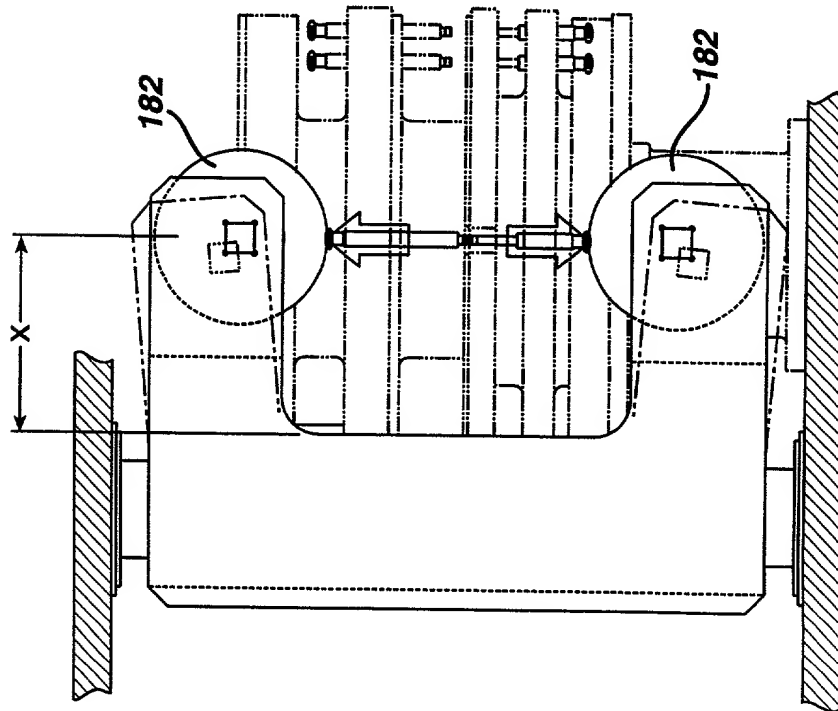


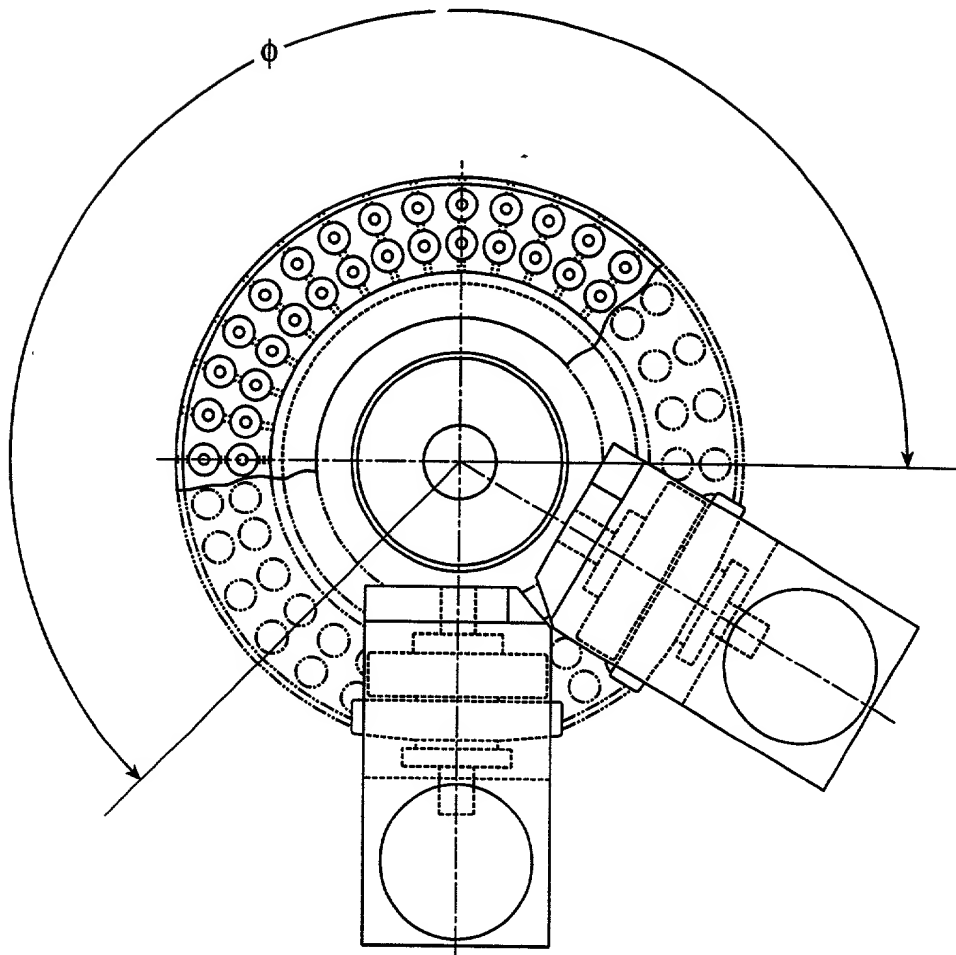
FIG. 17B



TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0293 CUST. #: 000027777

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FIG. 18A



20250706 09:39:00

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FIG. 18C

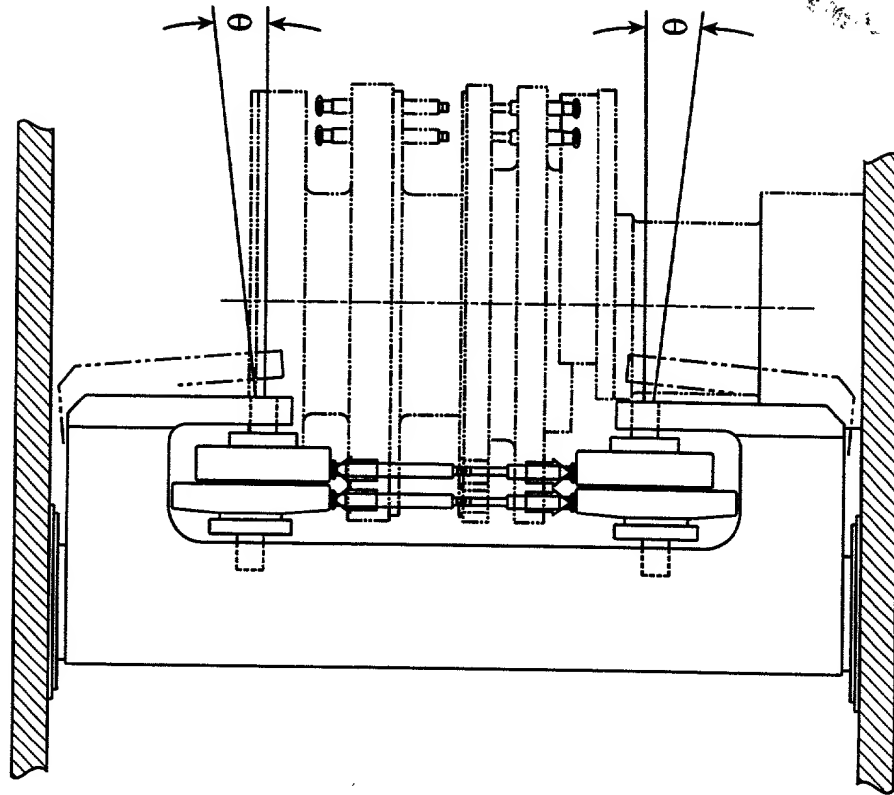
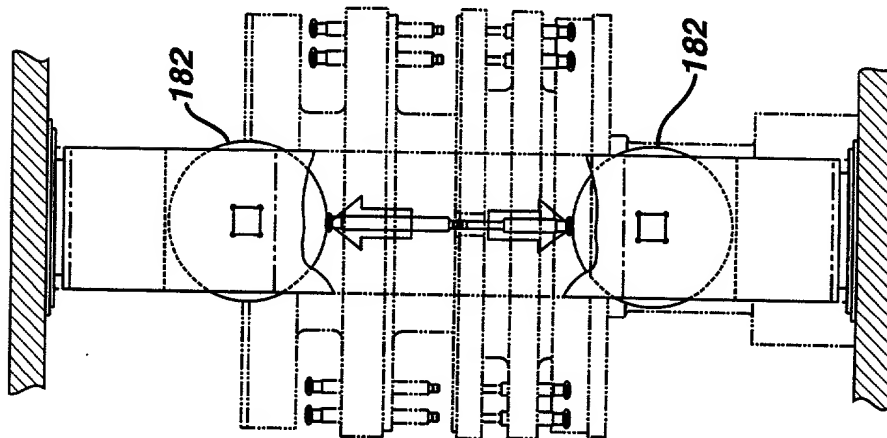


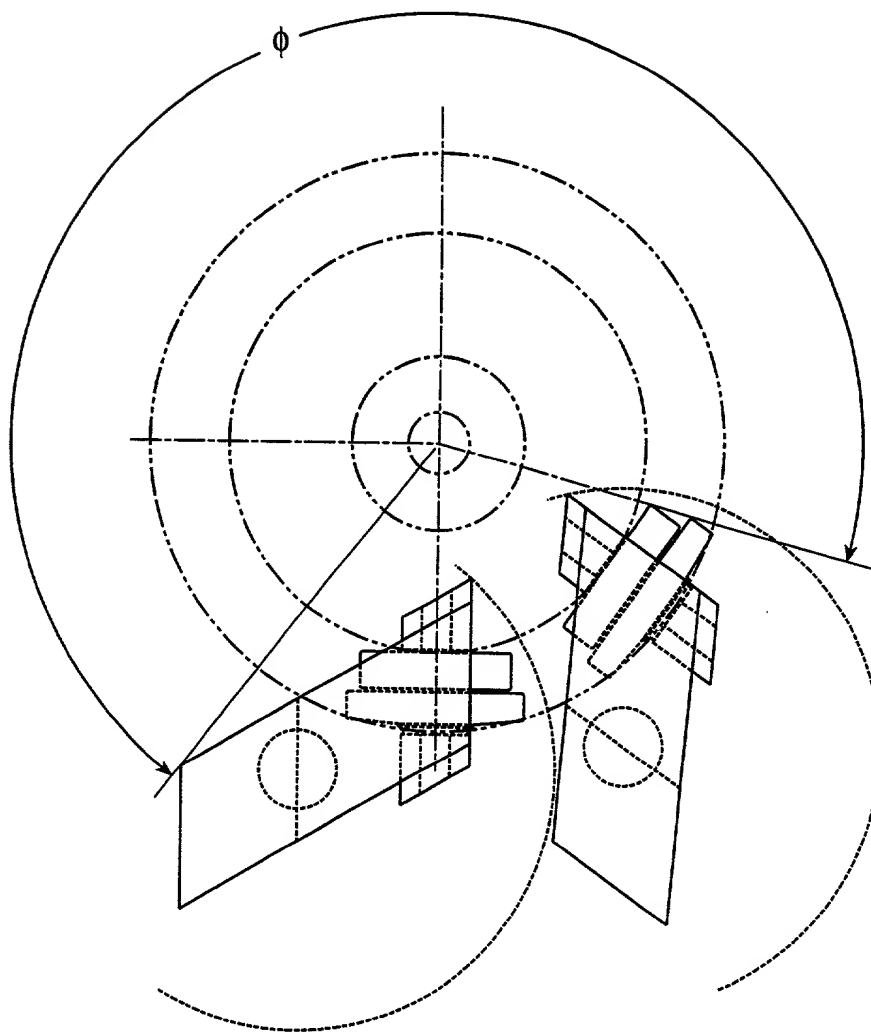
FIG. 18B



TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0293 CUST. #: 000027777

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FIG. 19A



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FIG. 19B

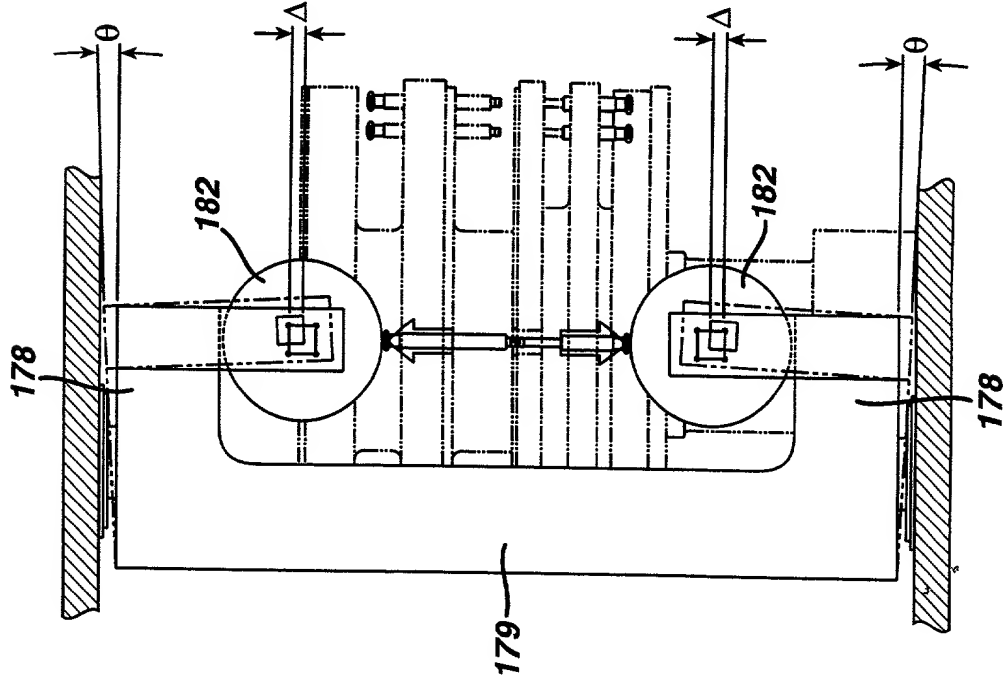
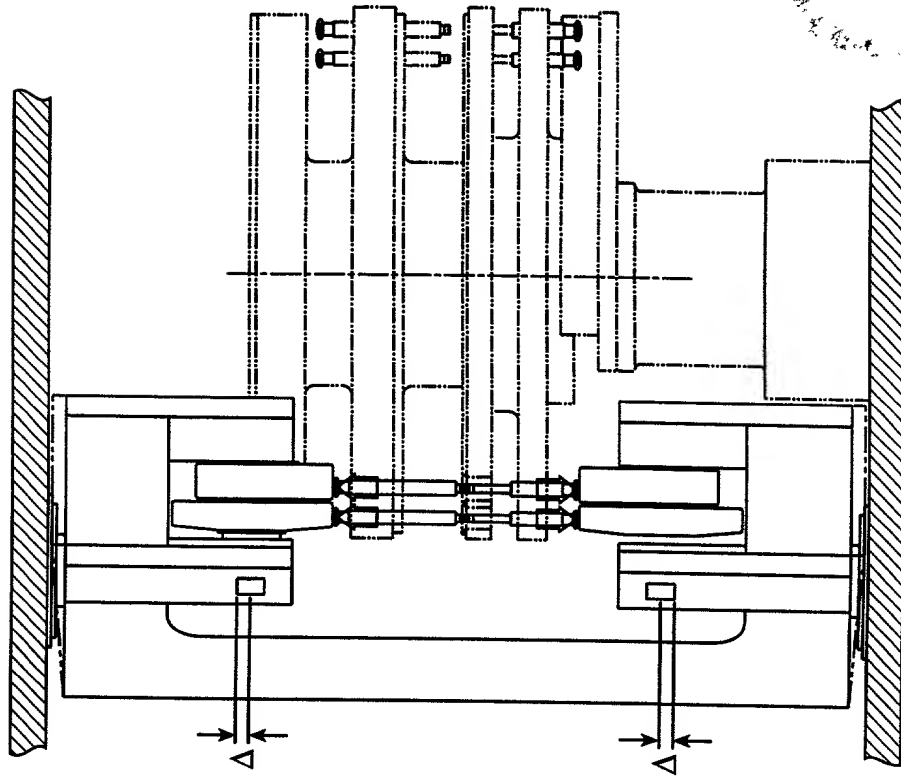


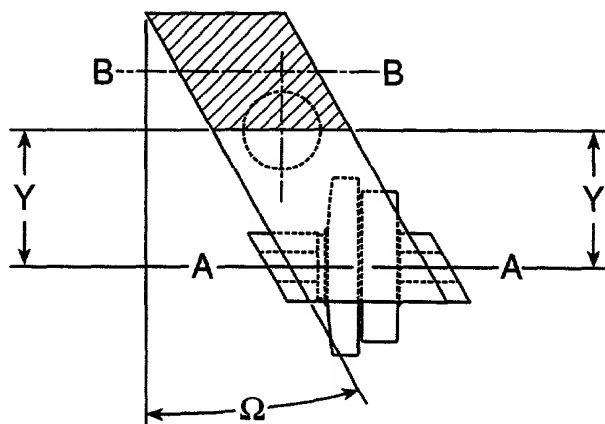
FIG. 19C



TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0293 CUST. #: 000027777

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FIG. 19D



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FIG. 20

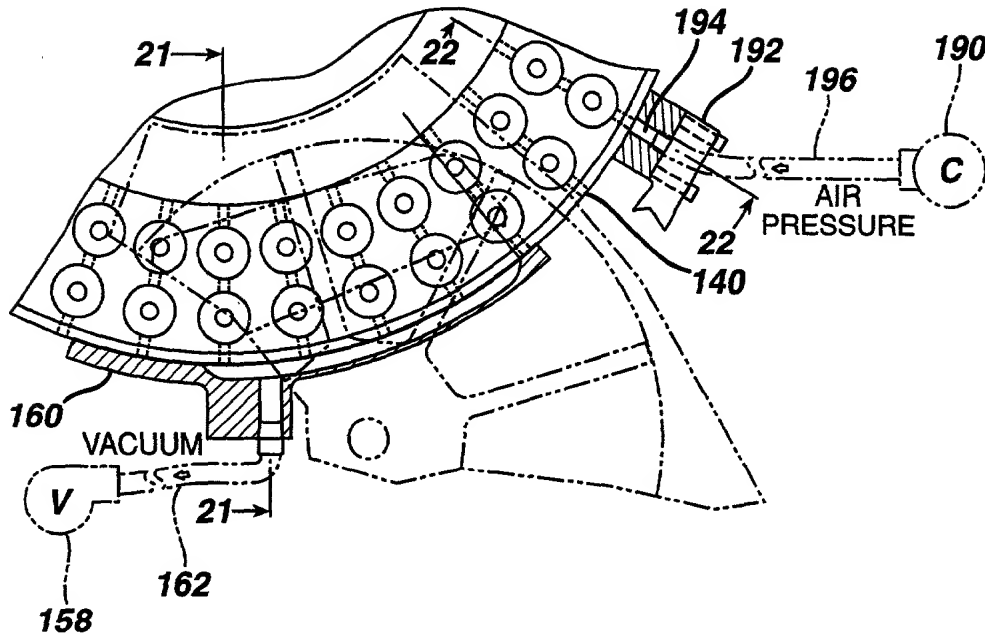


FIG. 21

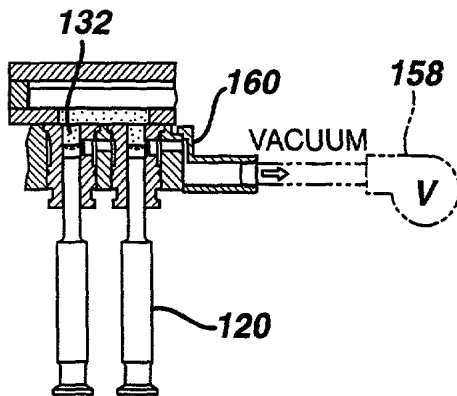


FIG. 22

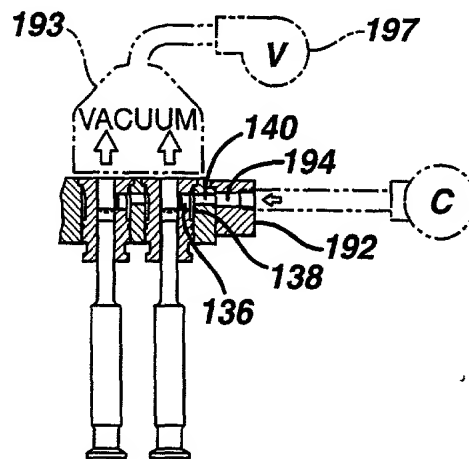
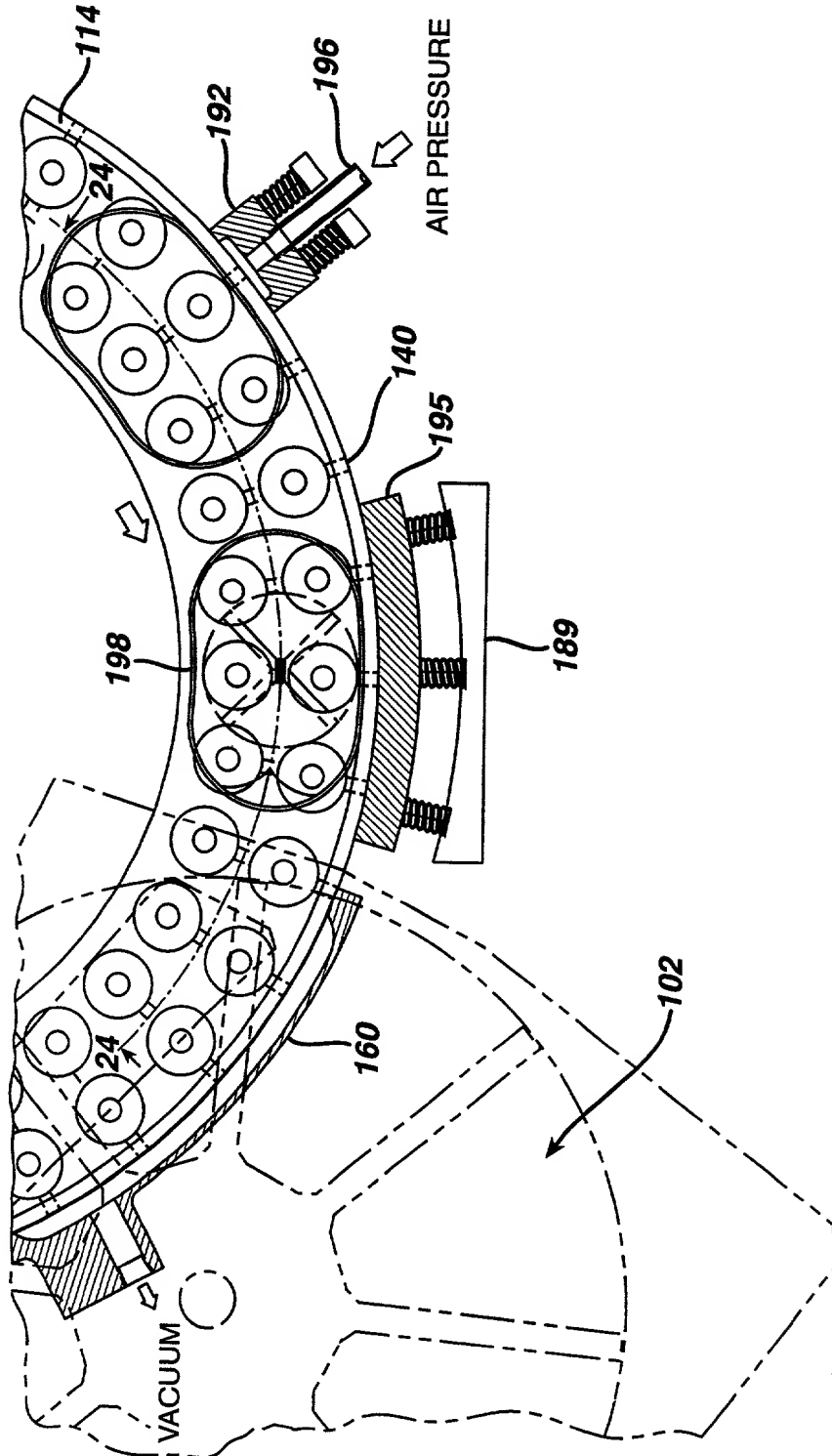
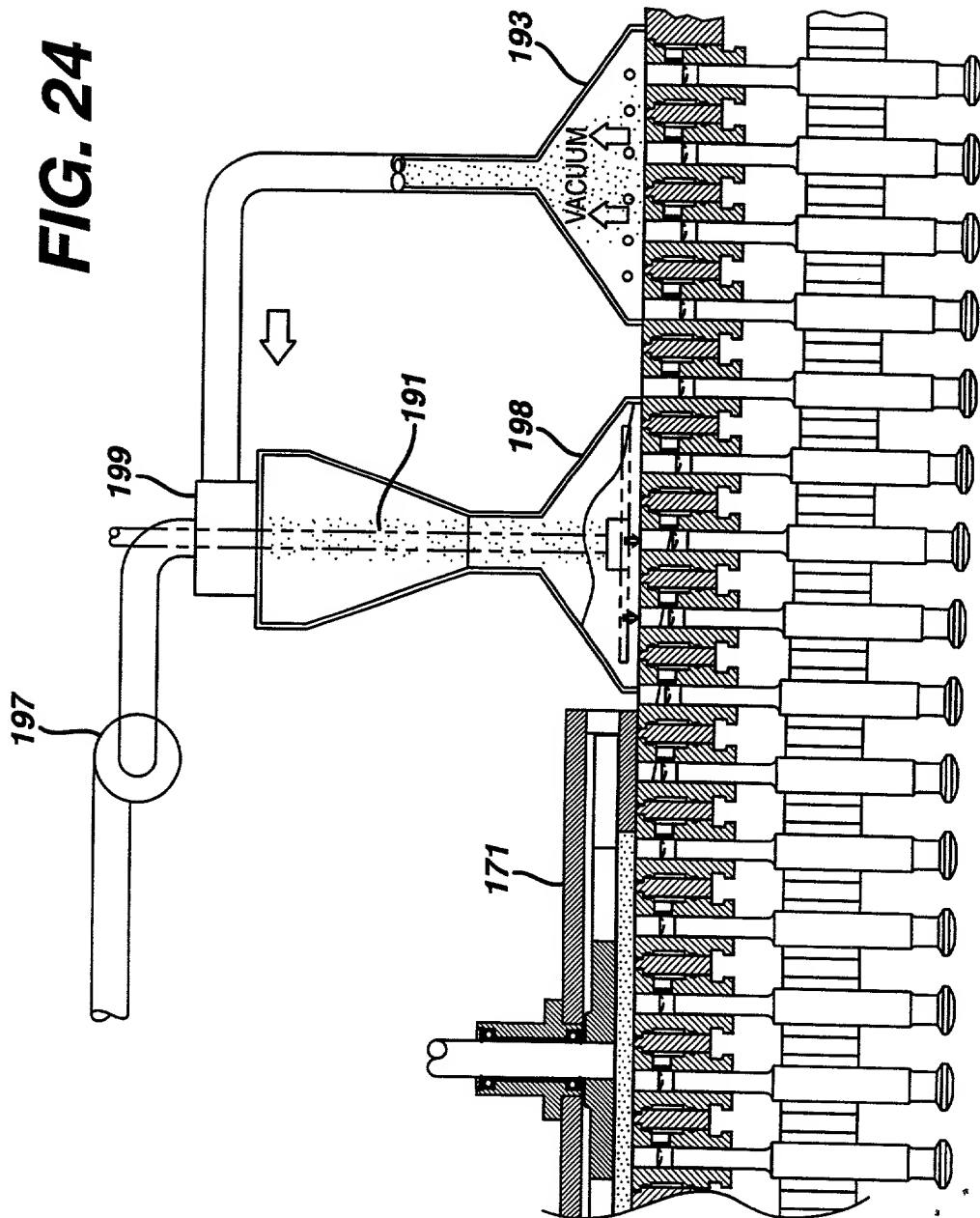


FIG. 23



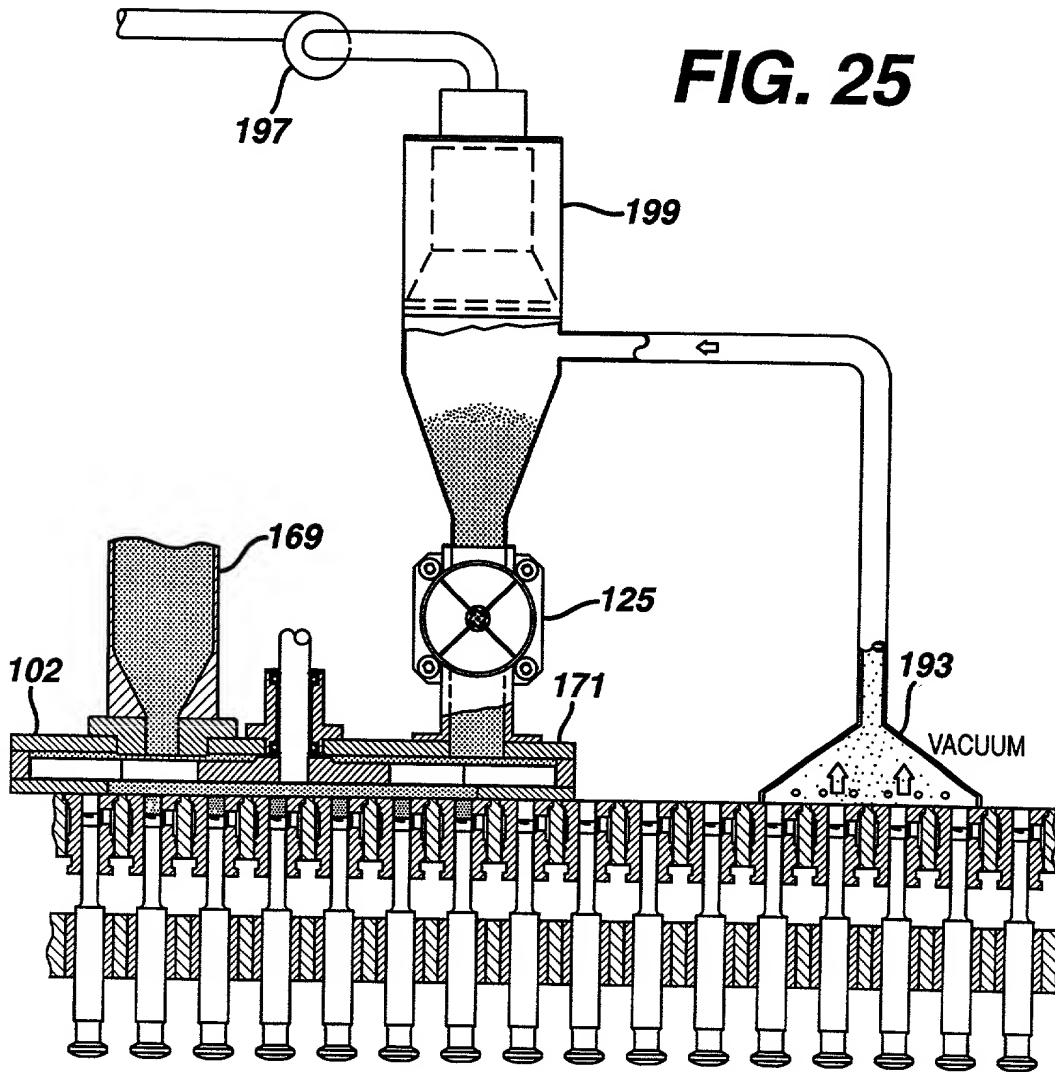
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FIG. 24



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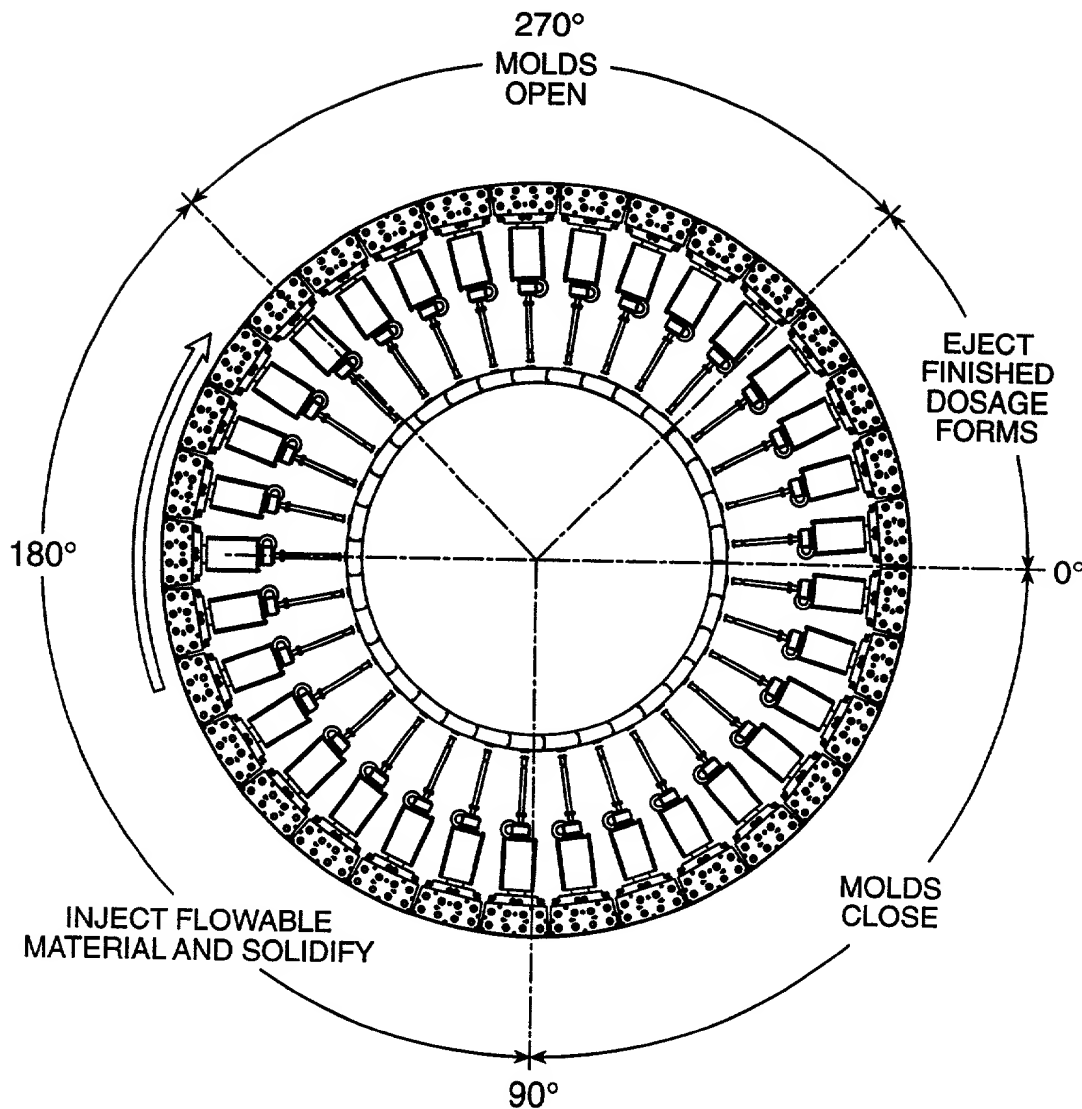
FIG. 25



200750-00000000

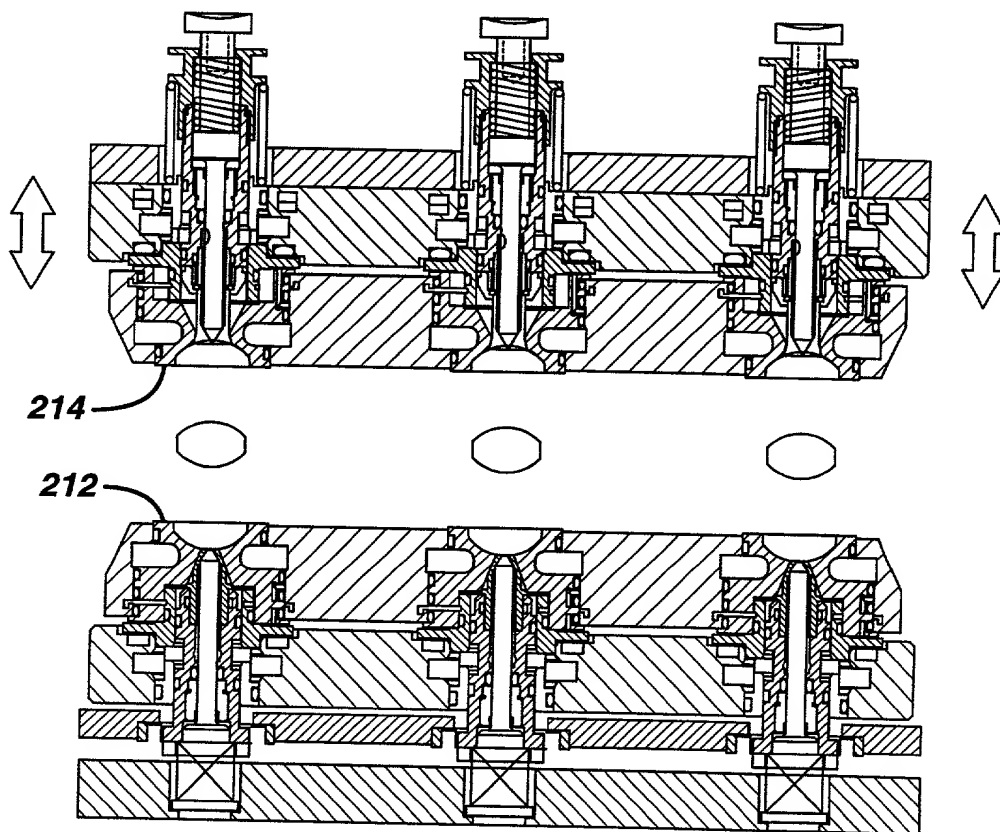
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FIG. 26A



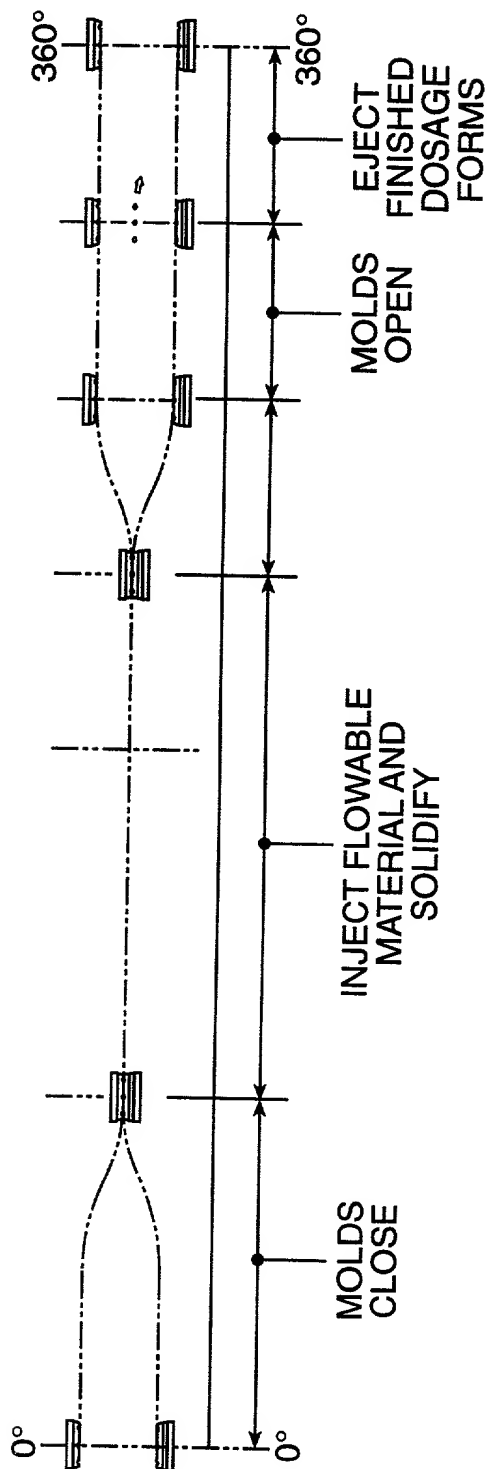
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FIG. 26C



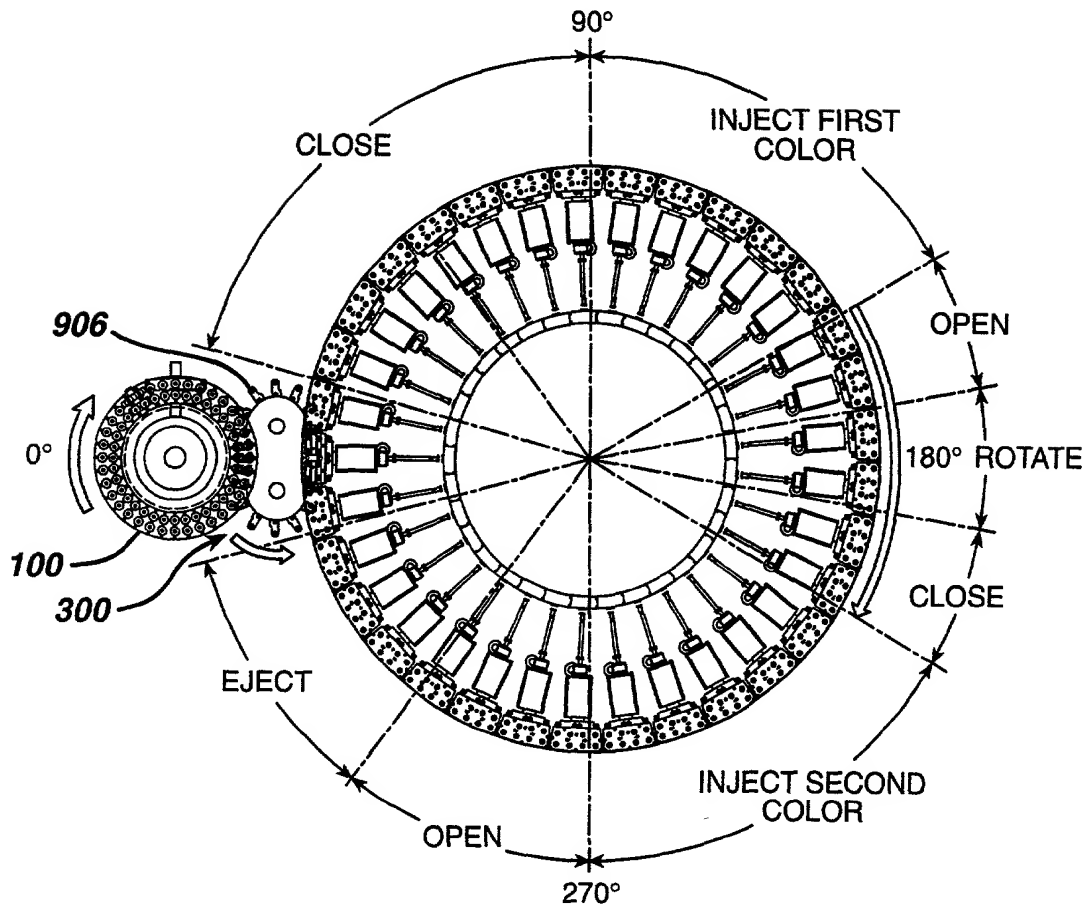
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FIG. 26B



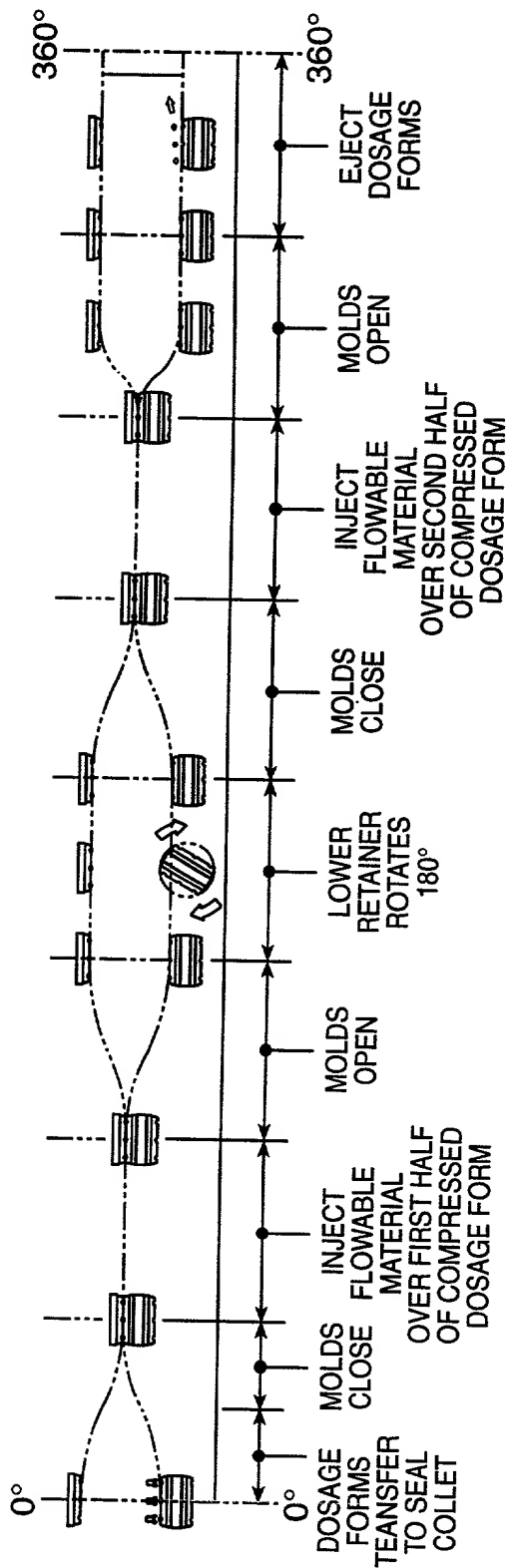
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FIG. 27A



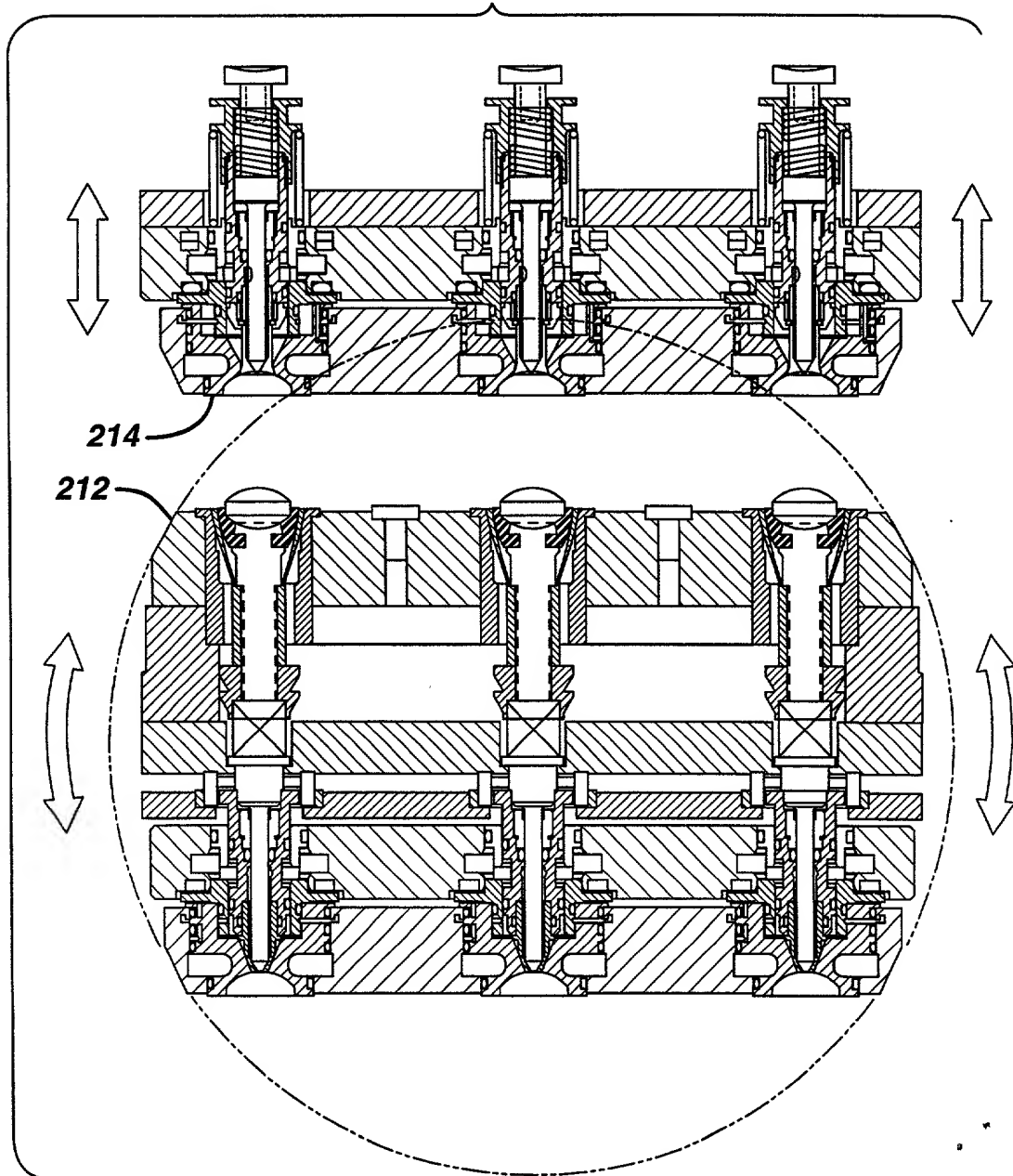
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FIG. 27B



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FIG. 27C



000027777

FIG. 28A

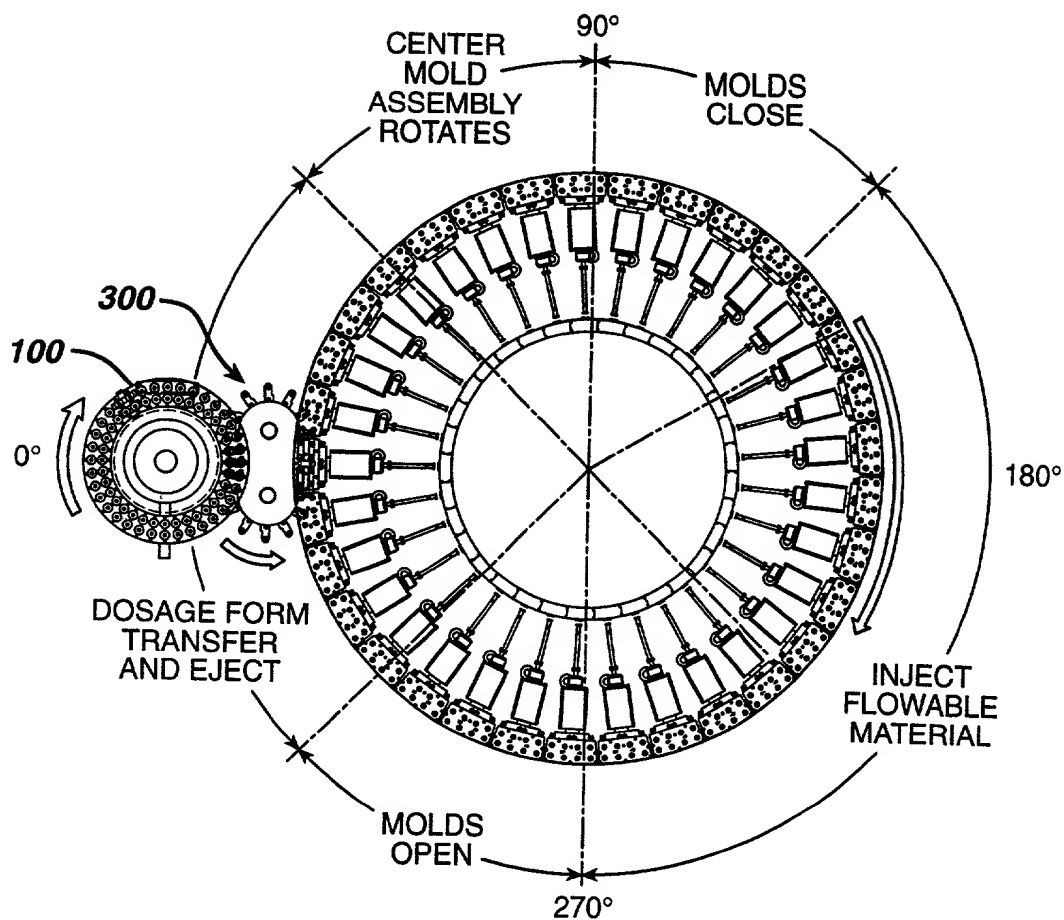


FIG. 28B

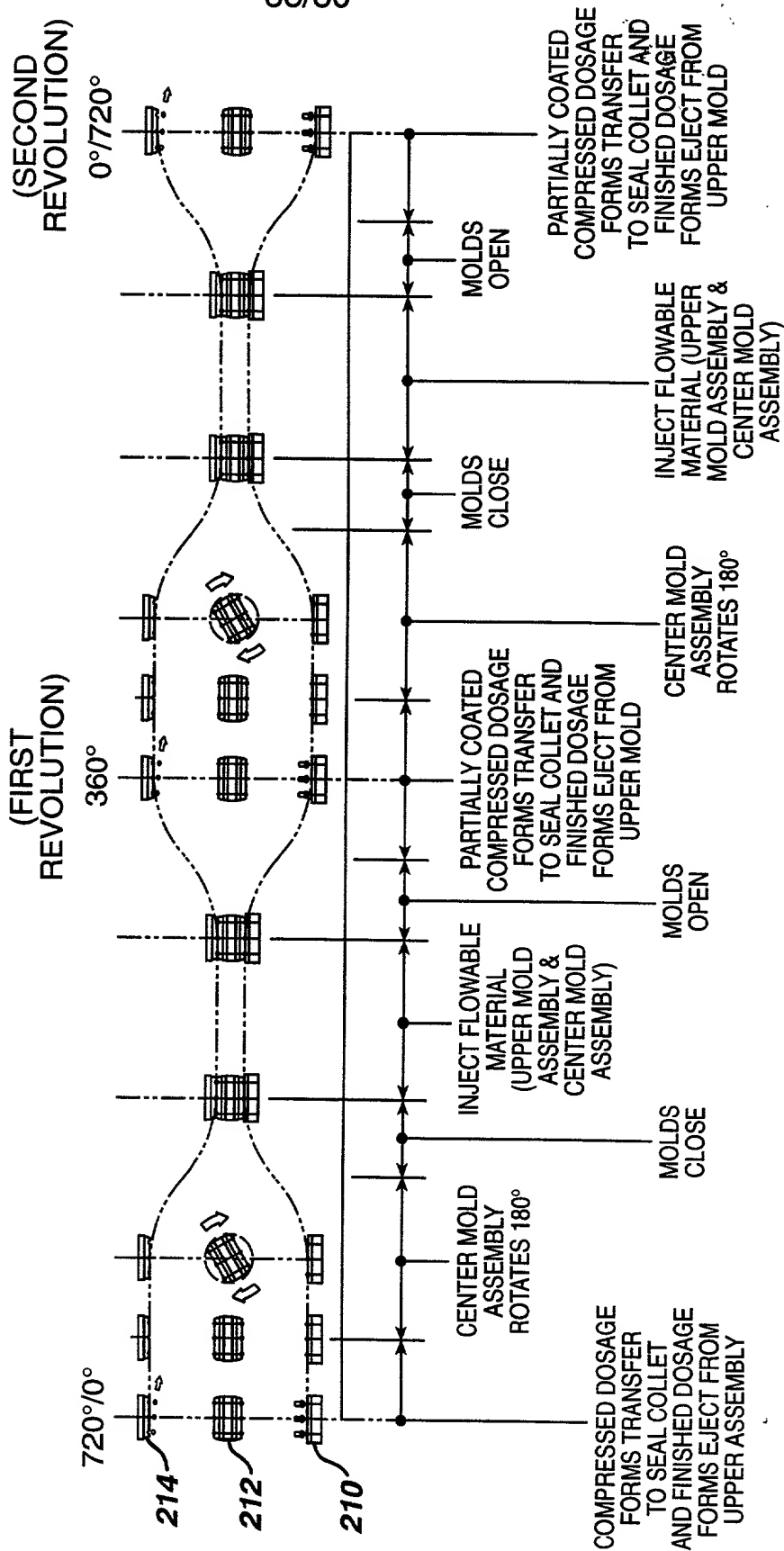
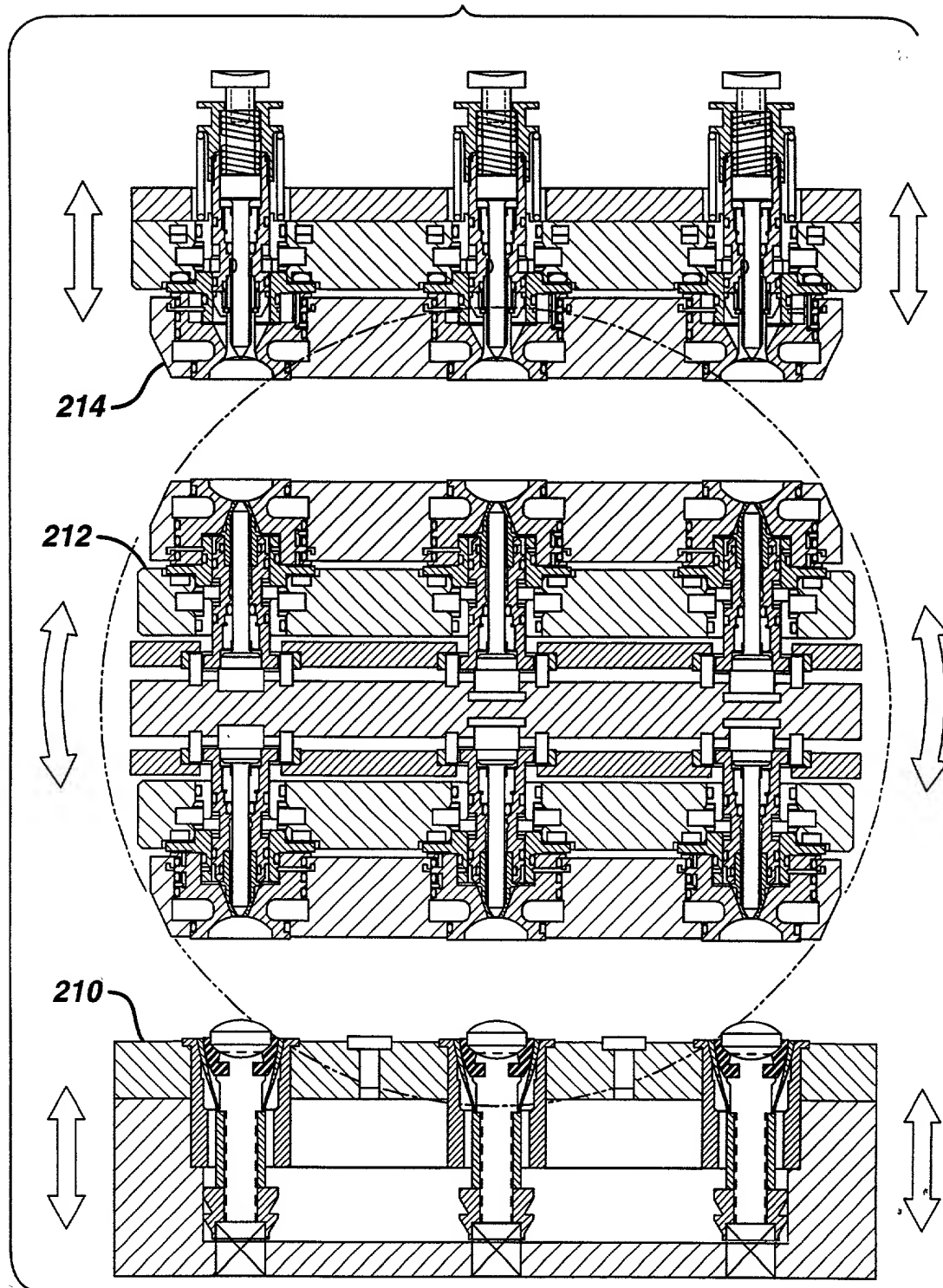
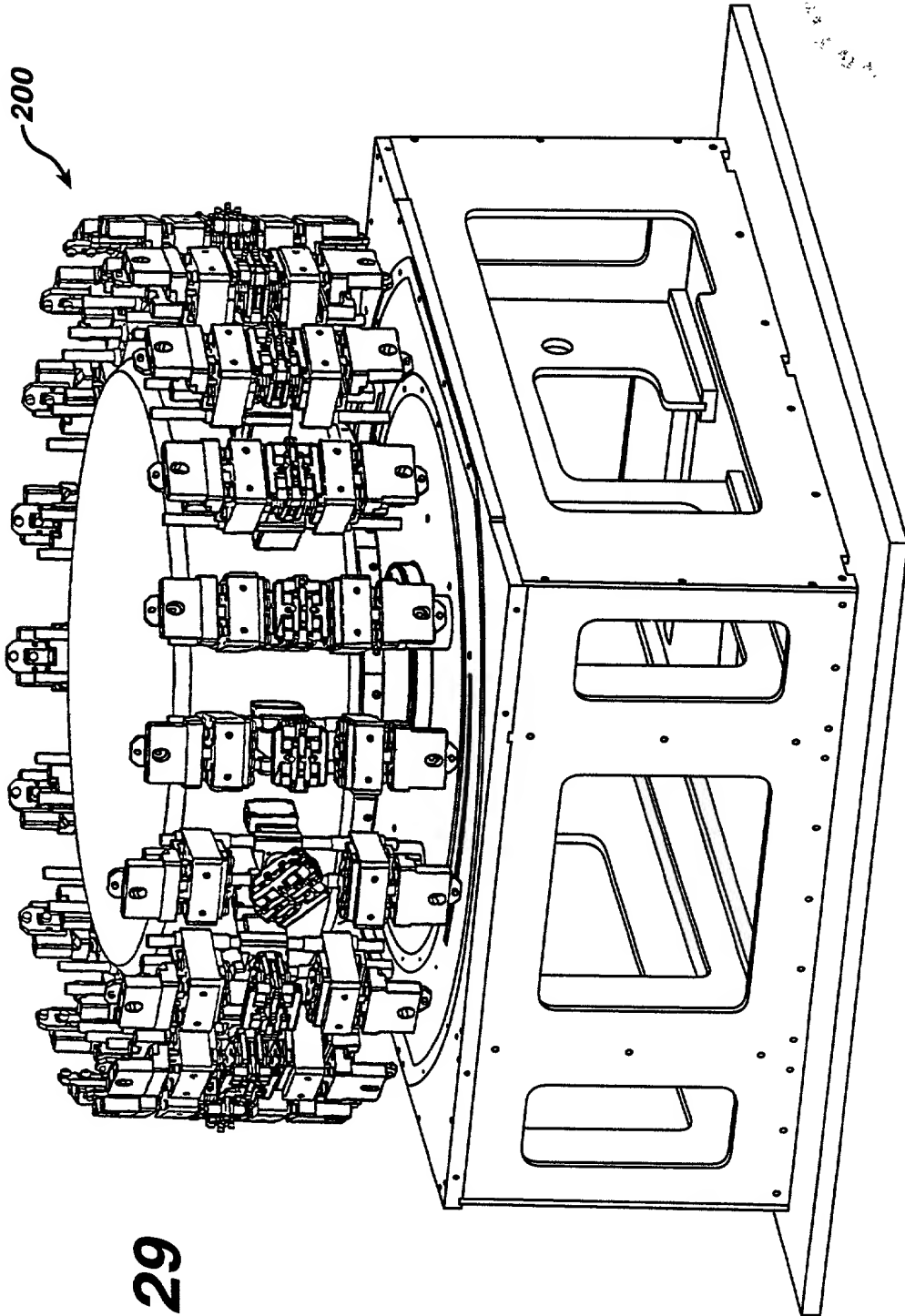


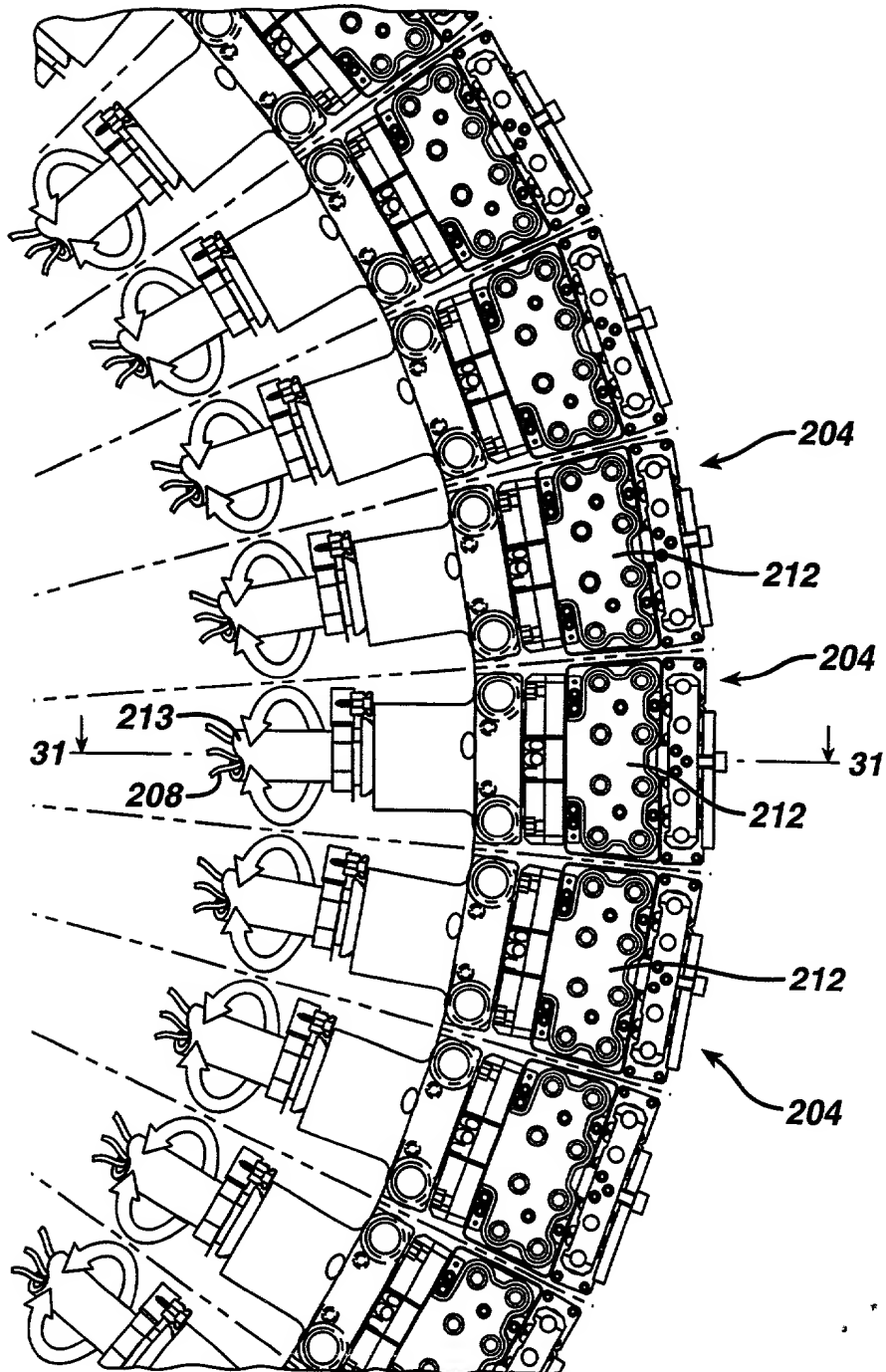
FIG. 28C





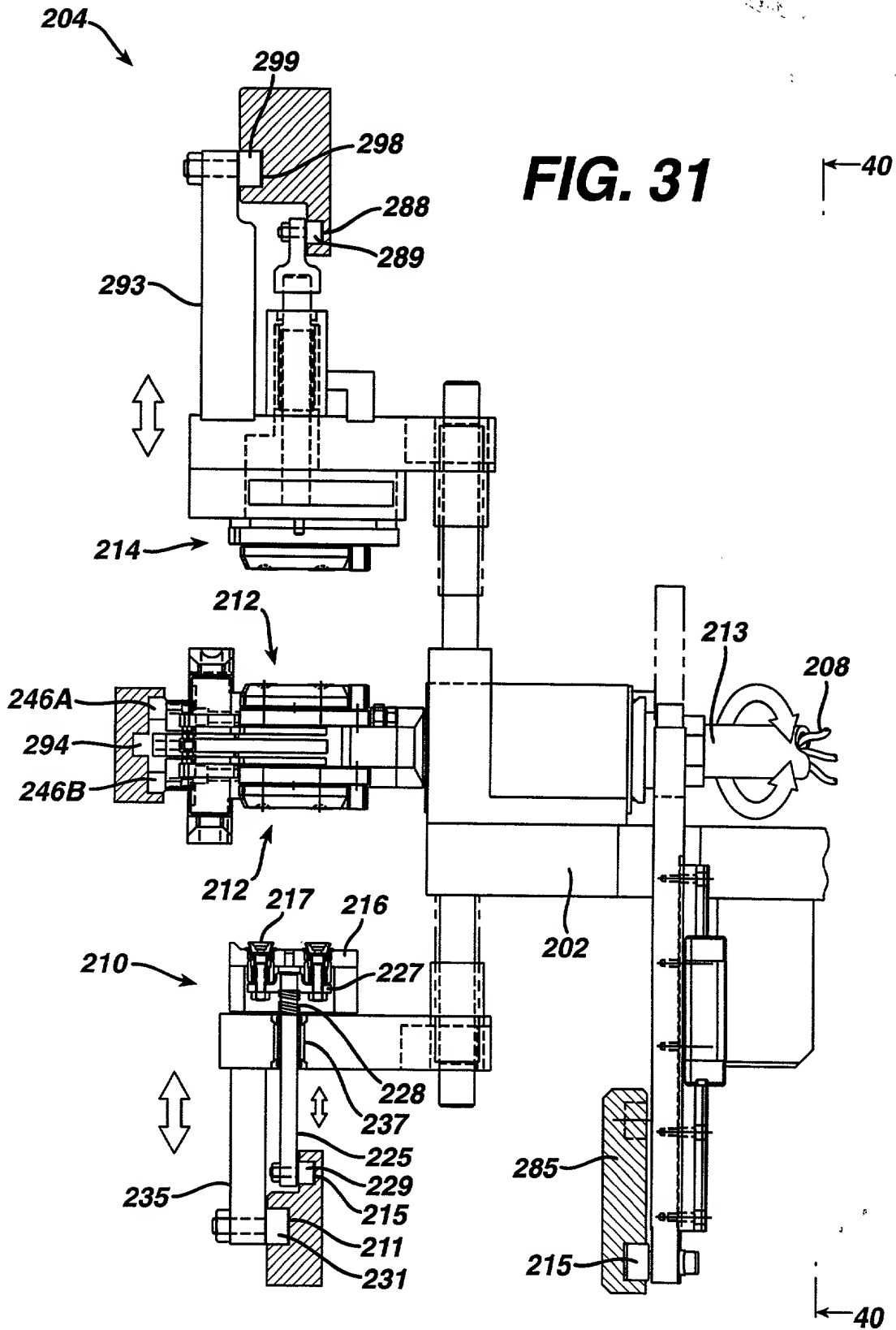
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FIG. 30



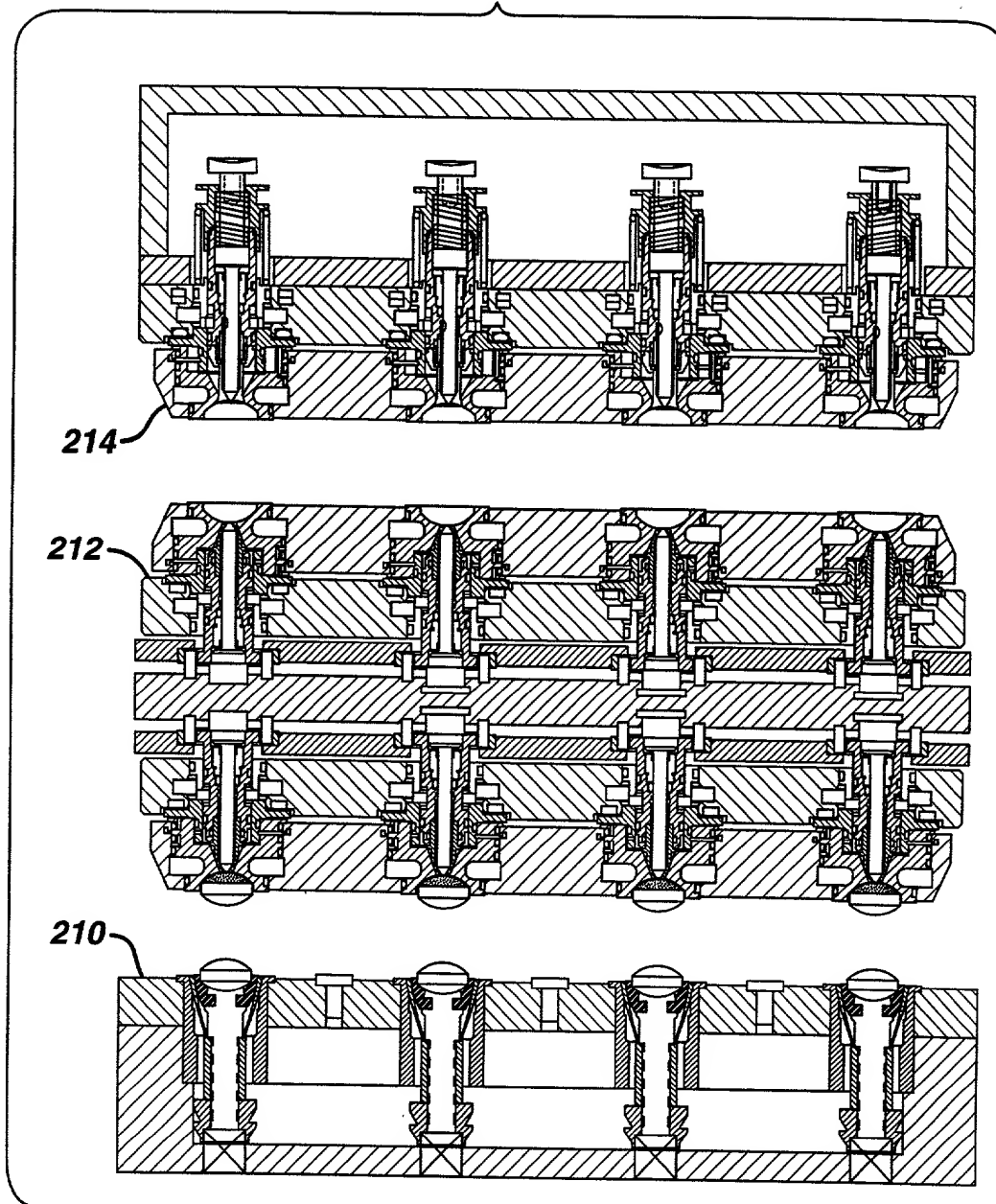
000027777

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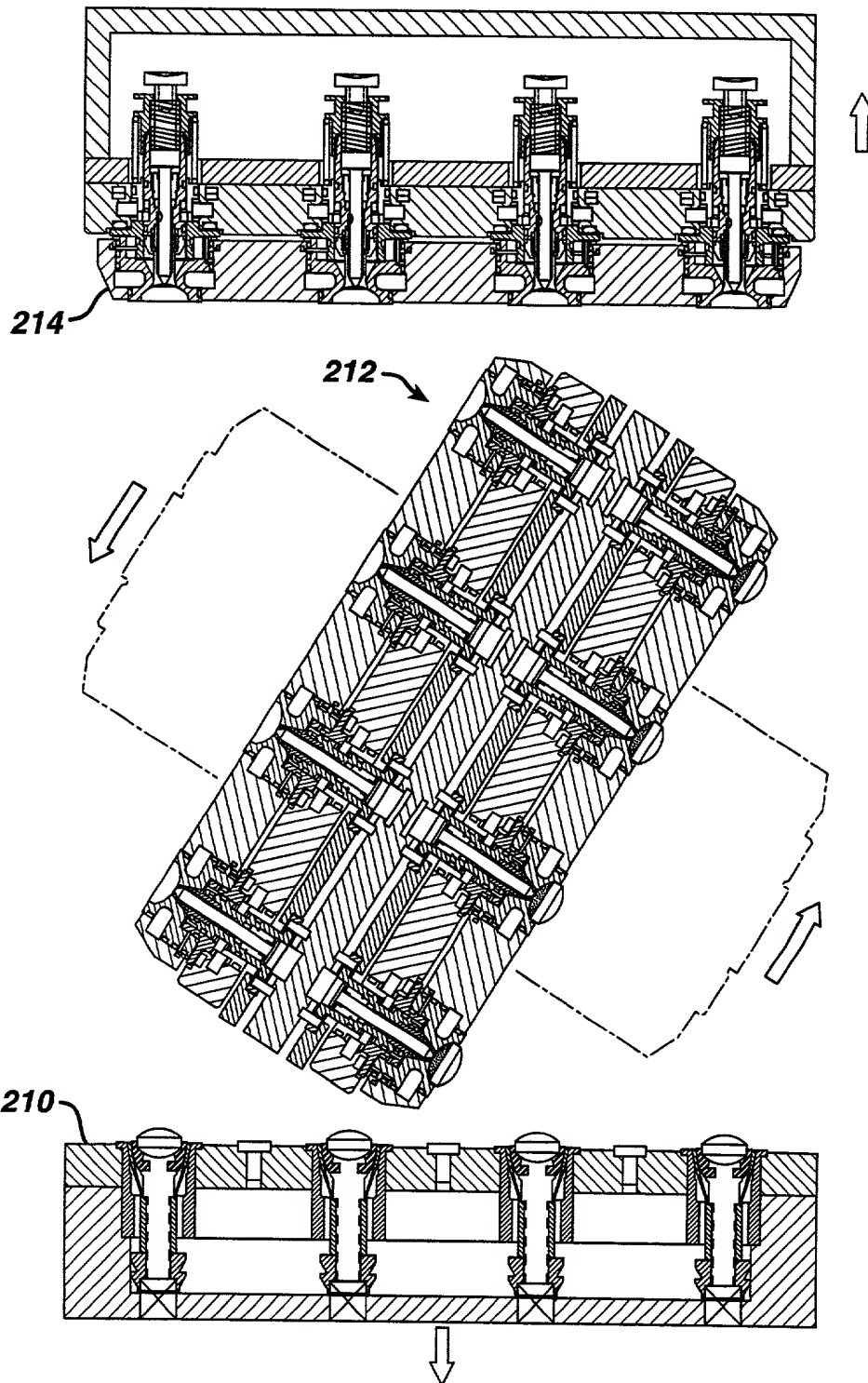
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FIG. 32



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FIG. 33



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FIG. 34

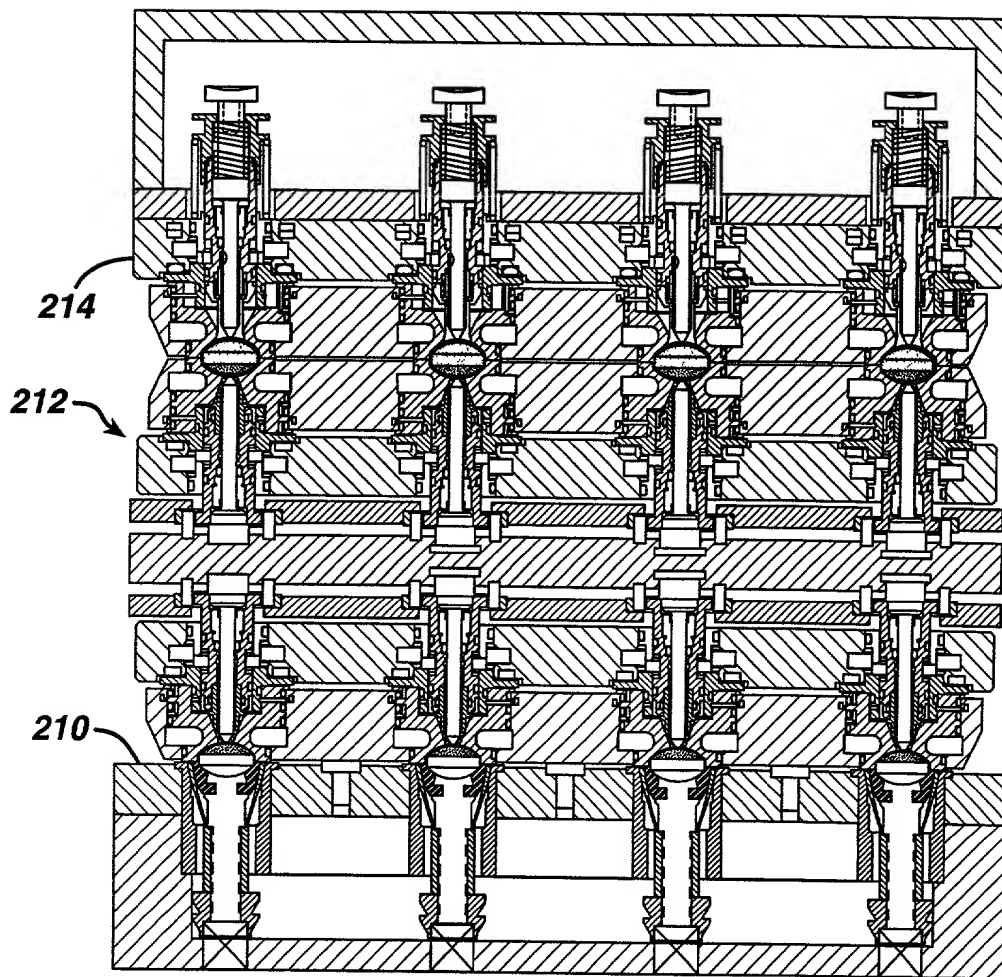
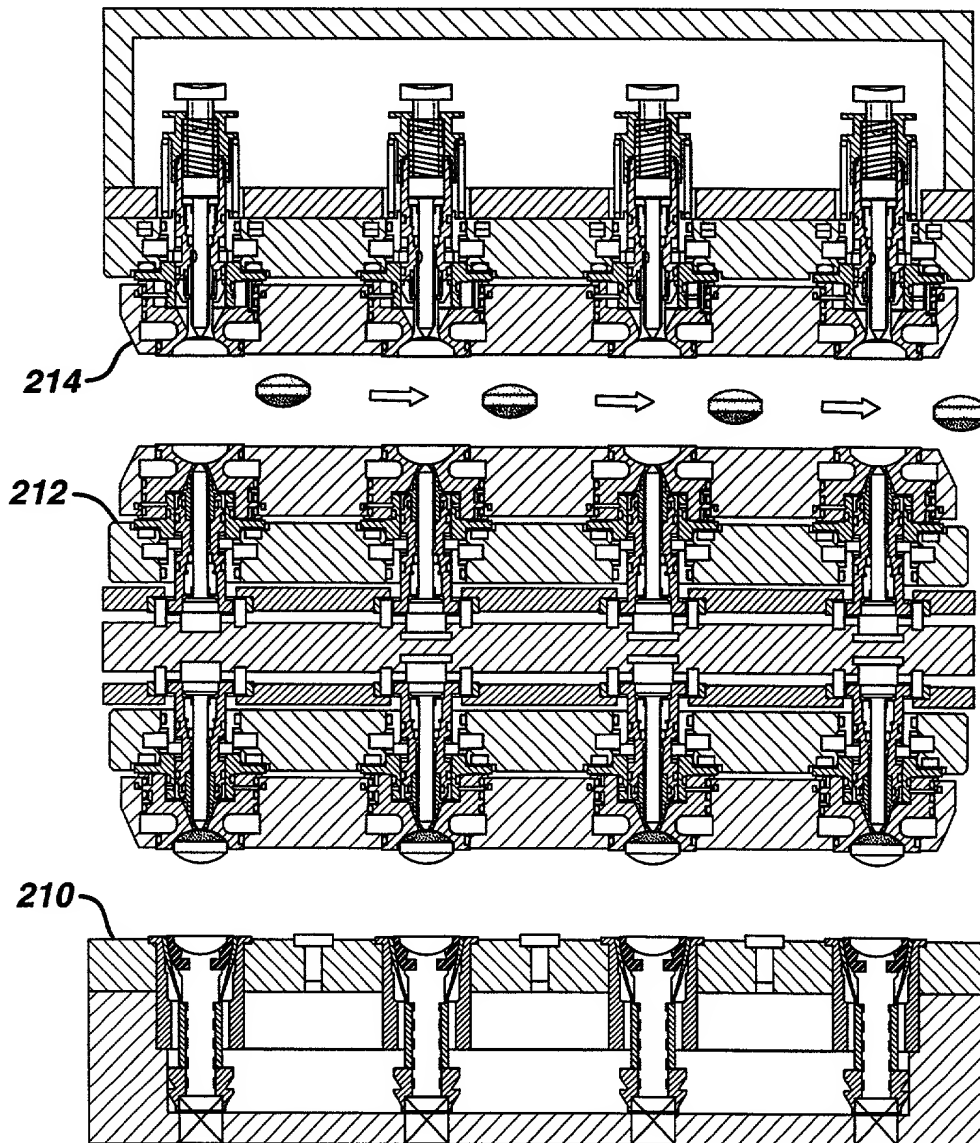


FIG. 35



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TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0293 CUST. #: 000027777

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FIG. 38

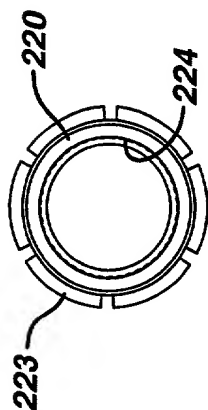


FIG. 39

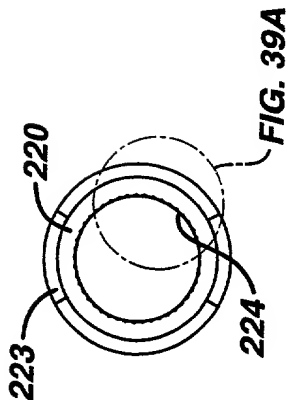


FIG. 39A

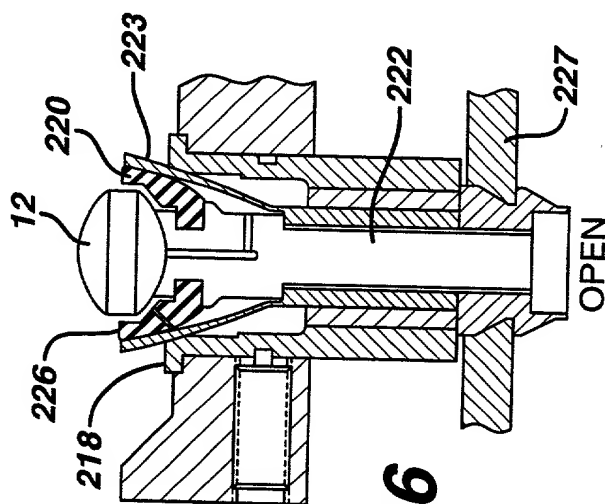
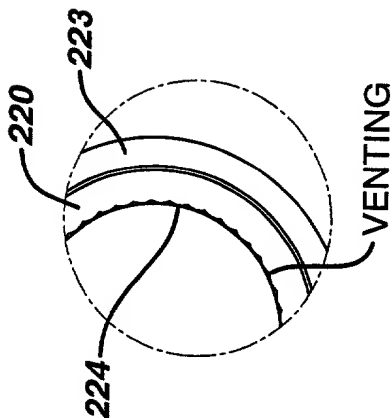


FIG. 36

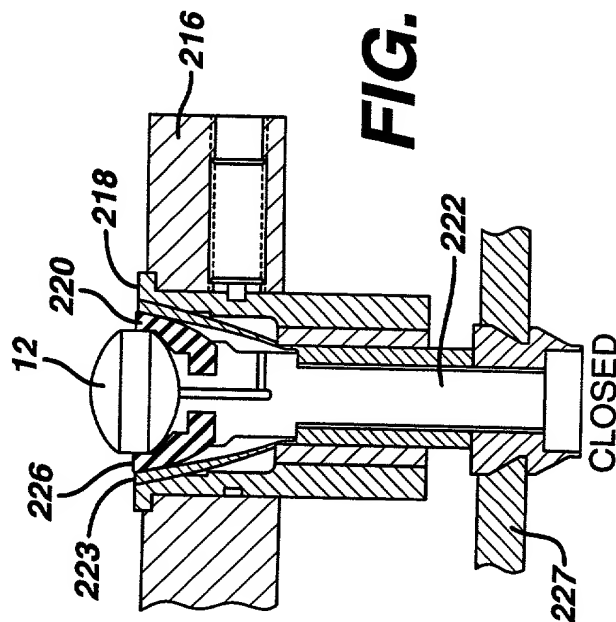
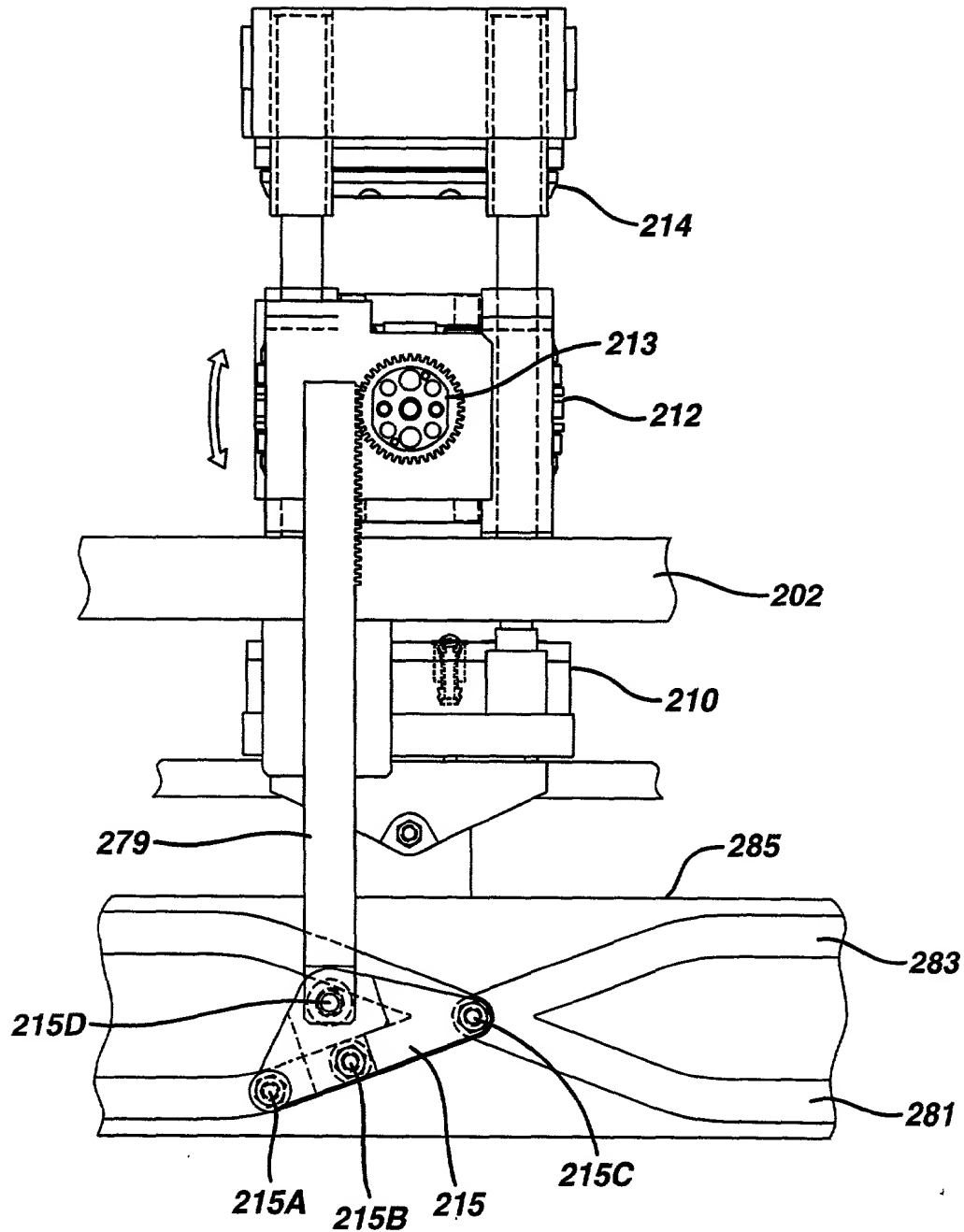


FIG. 37

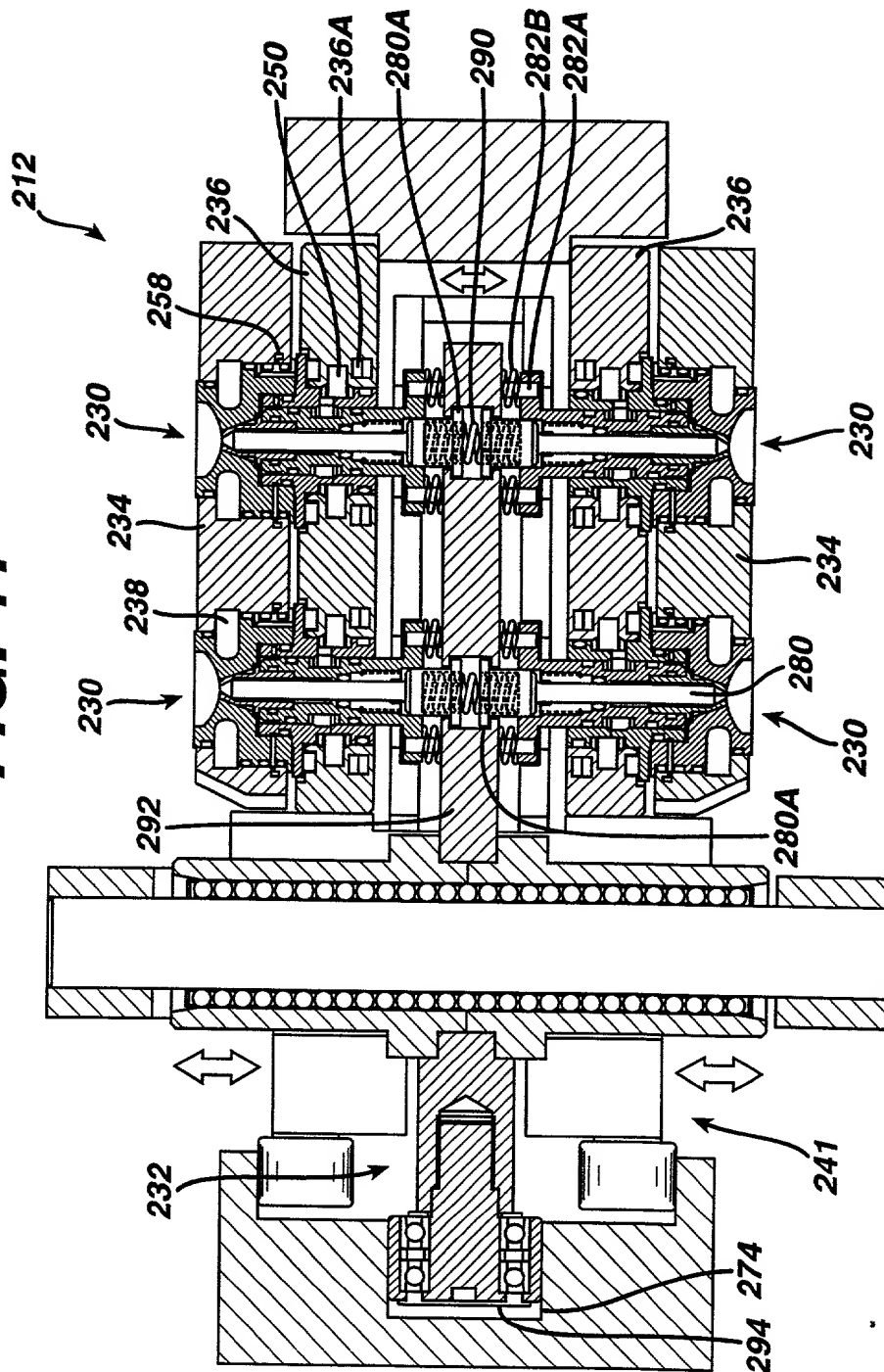
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FIG. 40



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FIG. 41



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FIG. 42

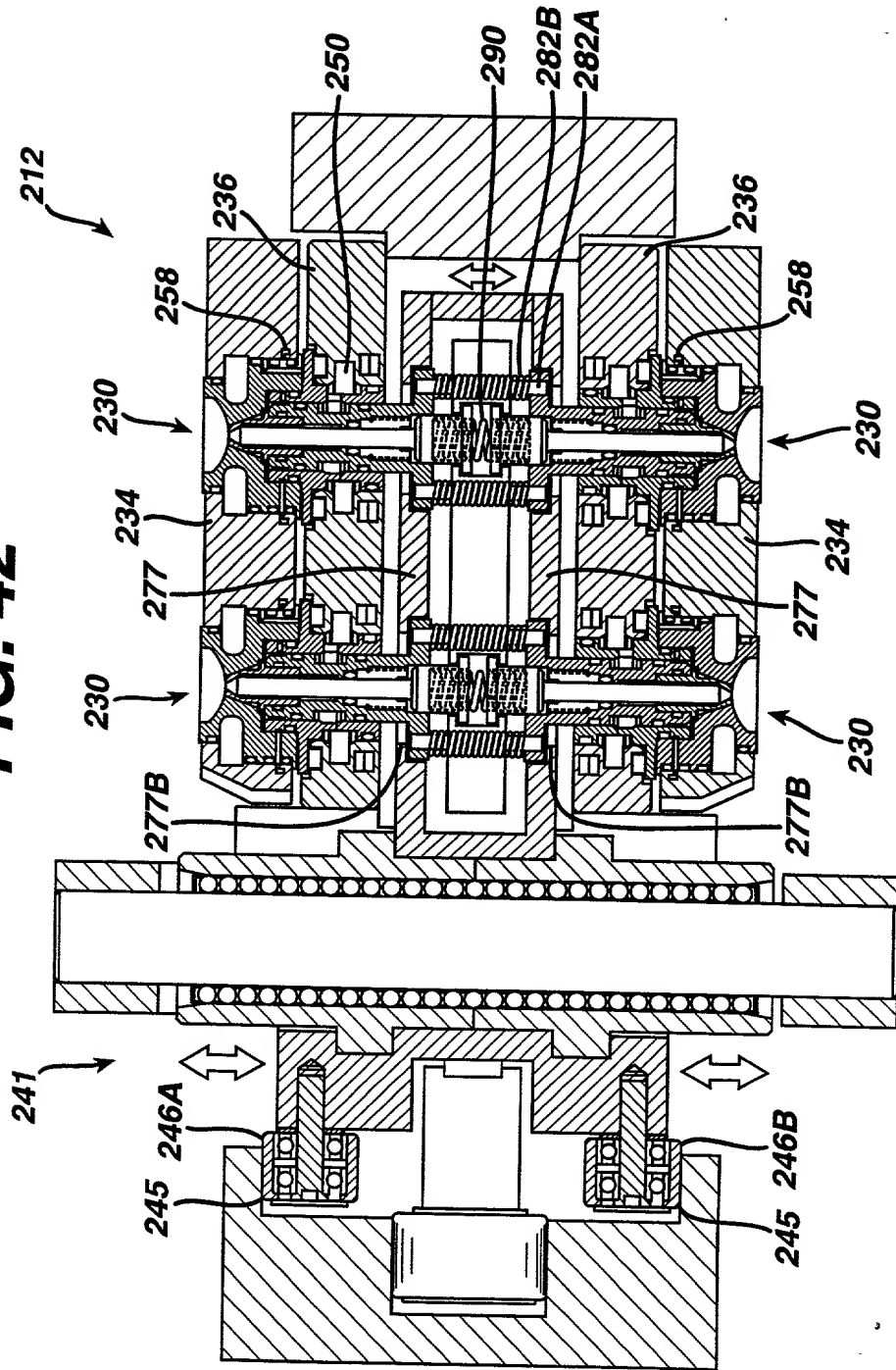
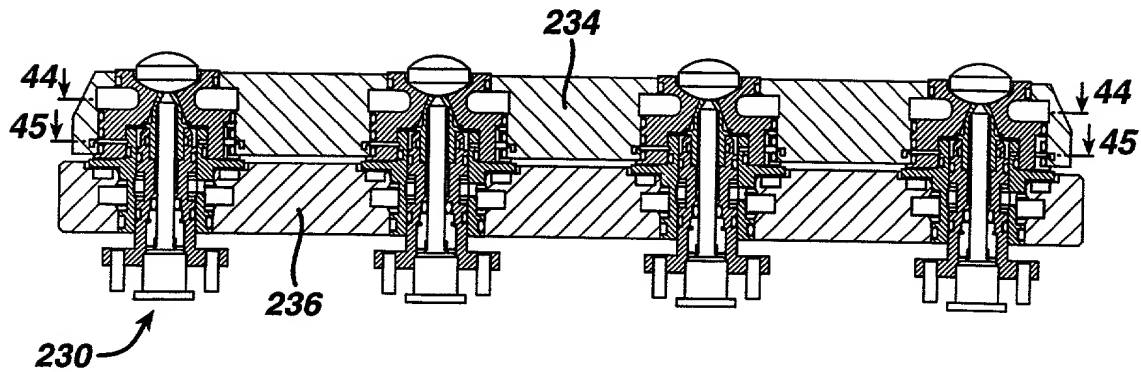
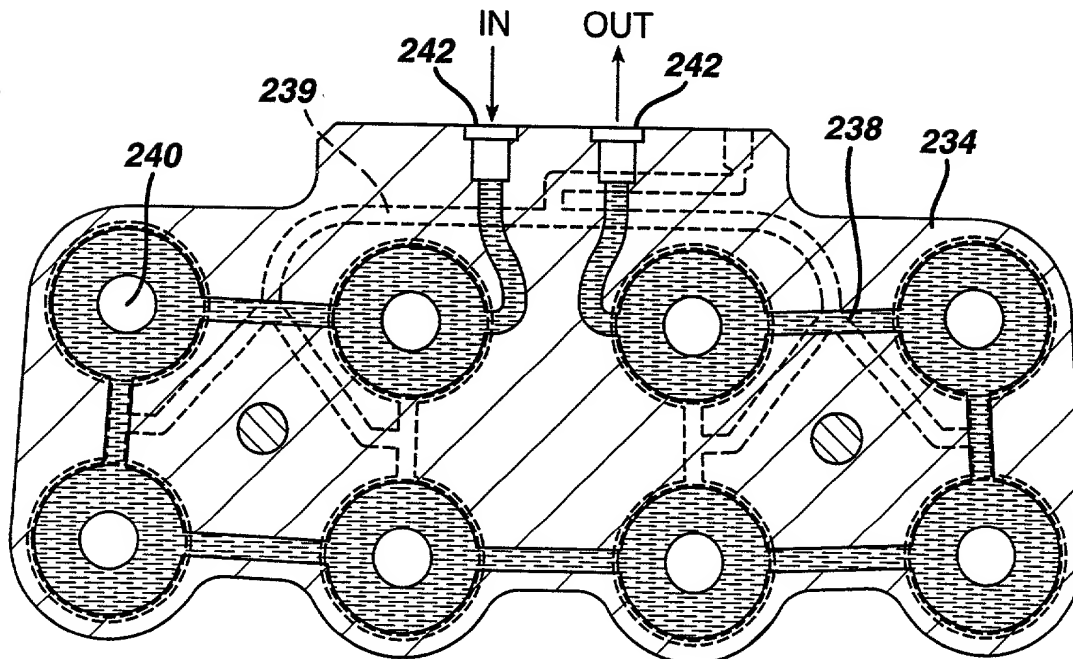


FIG. 43



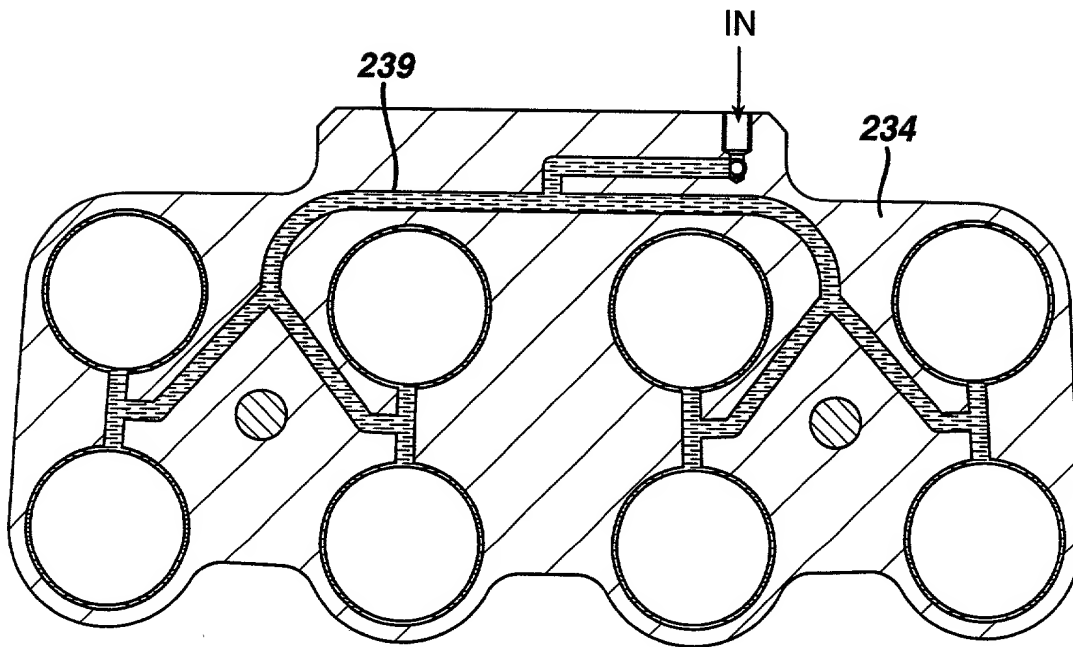
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FIG. 44



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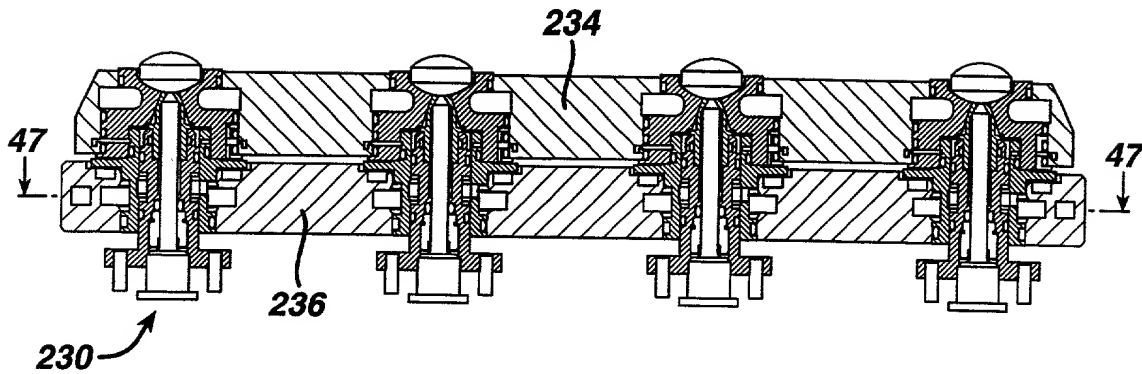
FIG. 45



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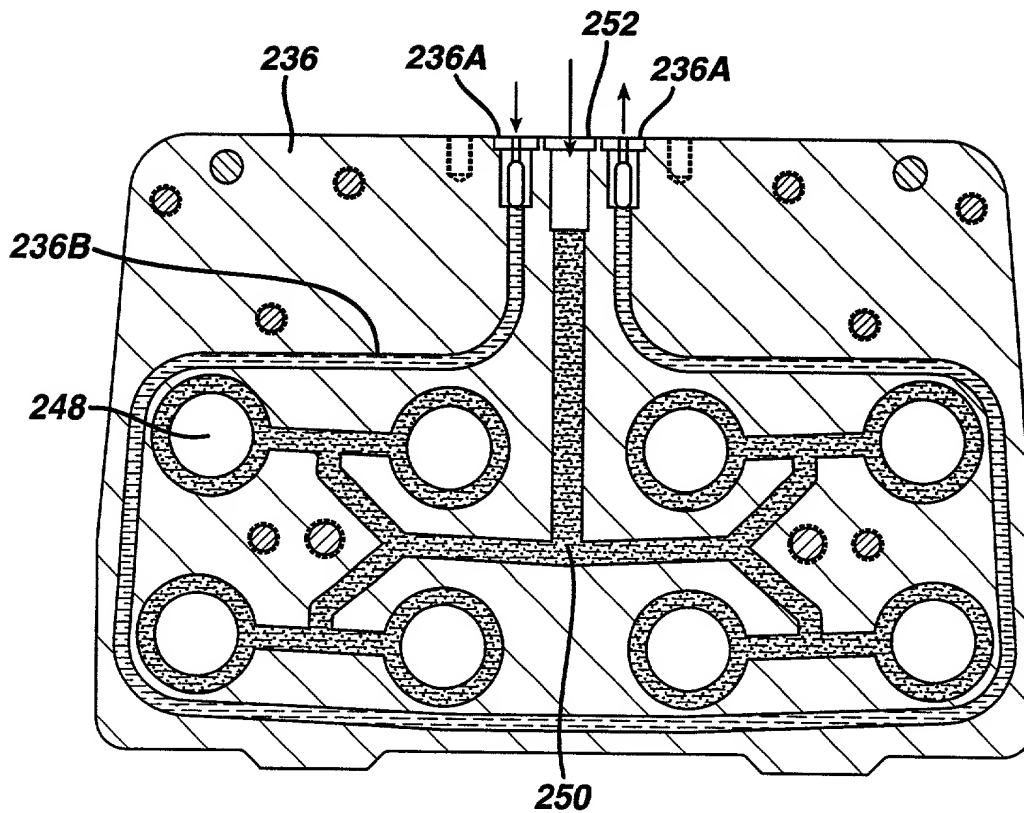
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FIG. 46



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FIG. 47

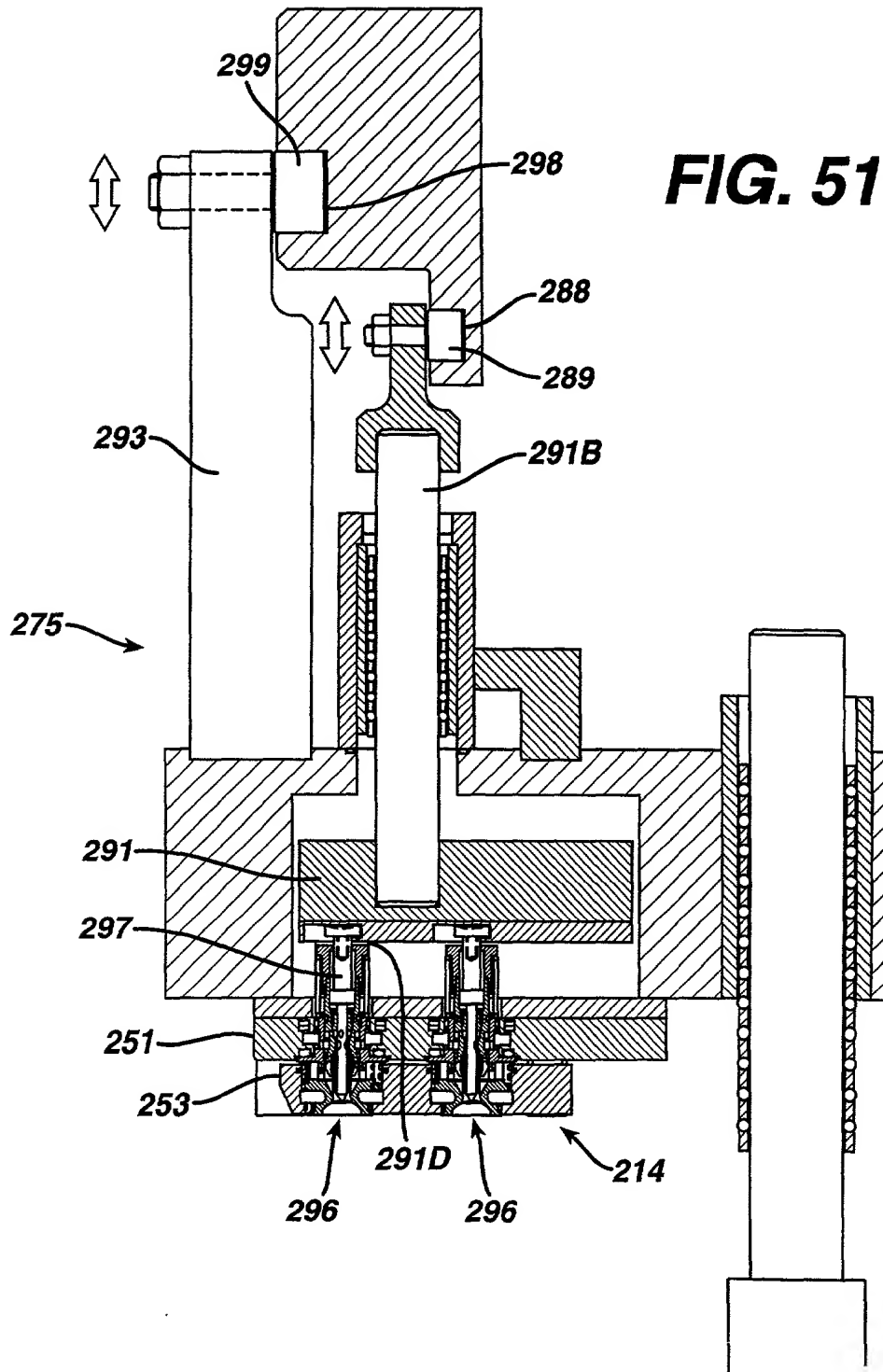


2025-09-09 09:00:00

A detailed cross-sectional diagram of a valve assembly in the closed position. The diagram shows a central valve stem with a valve disc at the end, which is seated against a valve seat. The valve is surrounded by a complex housing with various internal components, including springs and seals. The word "CLOSED" is written vertically on the right side of the diagram.

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FIG. 51



EJECT



INJECT



CLOSED



TITLE: COMPRESSION
INVENTOR(S): Sowden, et al.
APP#: 09/966,509
ATTY: S. E. Hayner **TEL. #: 732-524-2242**
DOCKET #: MCP-0293 **CUST. #: 000027777**

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FIG. 55

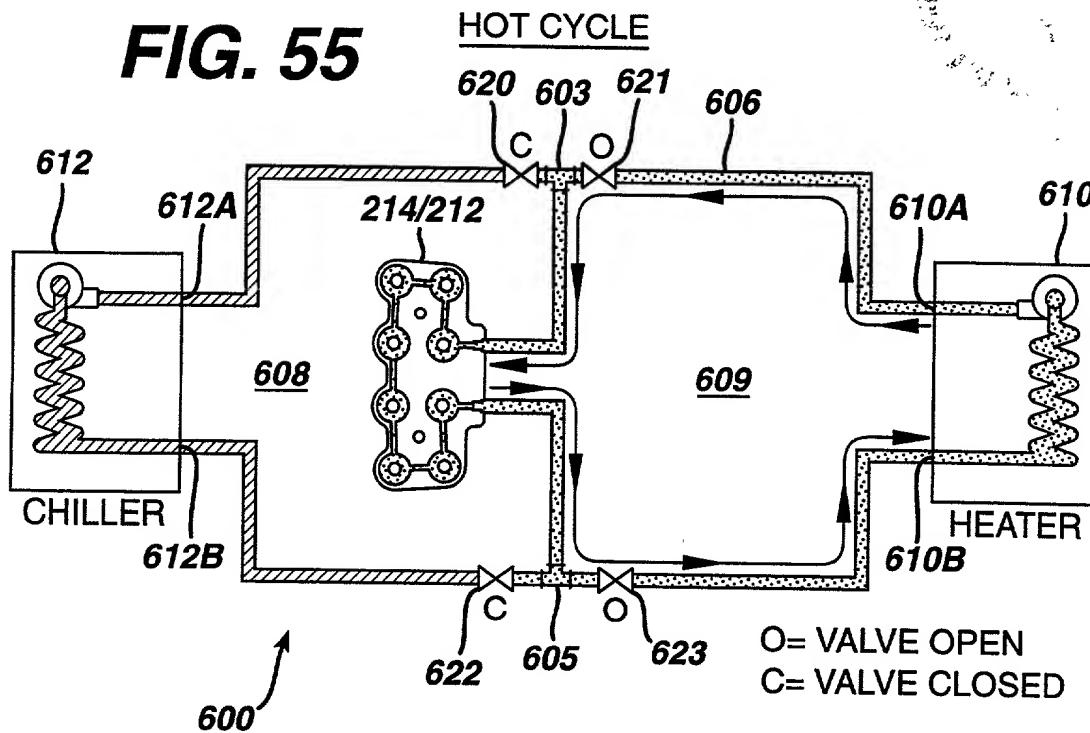


FIG. 56

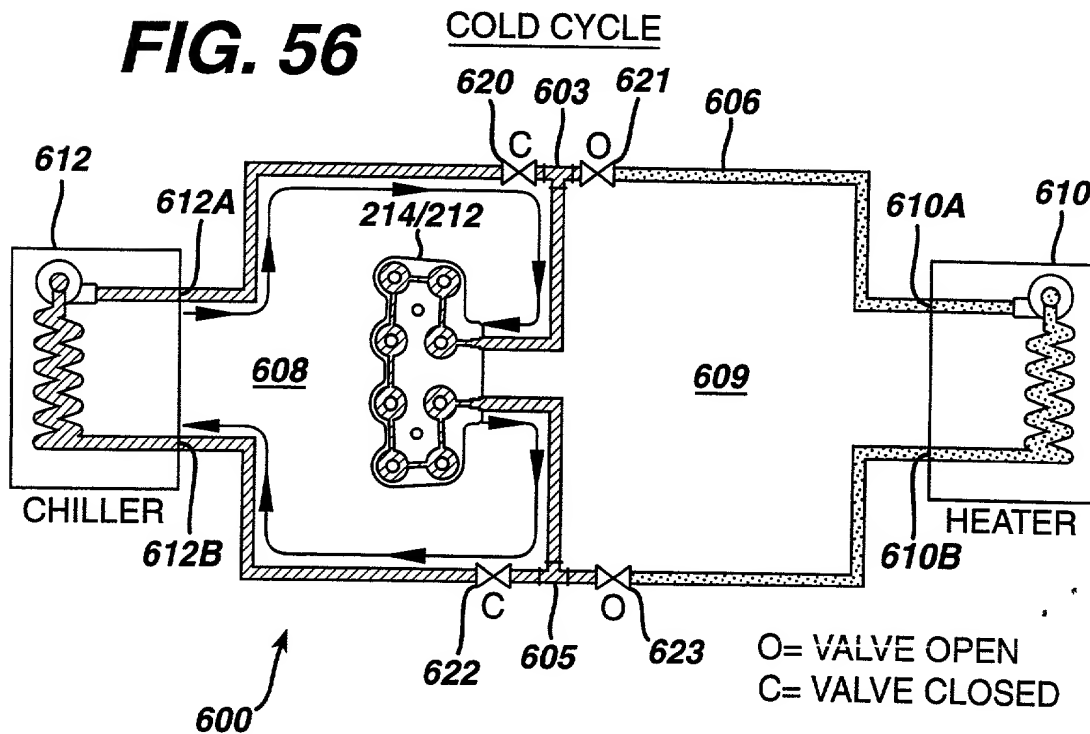
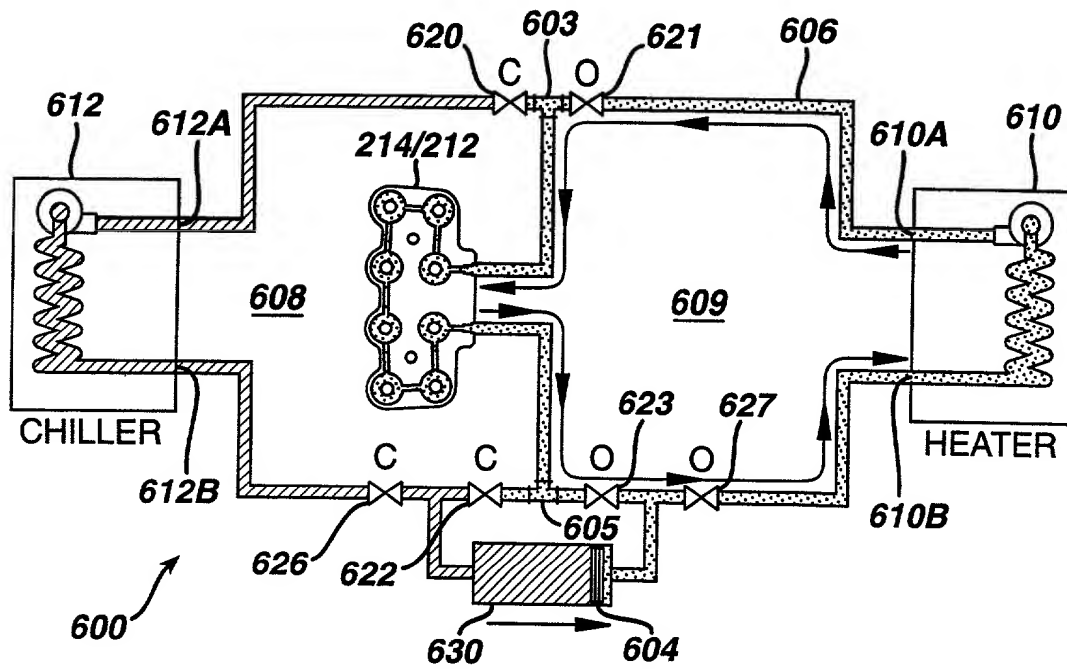


FIG. 37

Schematic diagram of a closed-loop fluid system 600. The system includes a CHILLER (612) on the left and a HEATER (610) on the right. A central loop contains a series of heat exchangers (214/212). The system is connected to a storage tank (604) at the bottom via a line (605) with valves (623, 627). The main loop has valves (620, 603, 621, 626, 622) and a bypass line (606). Arrows indicate flow direction. Legend: O = VALVE OPEN, C = VALVE CLOSED.

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FIG. 59

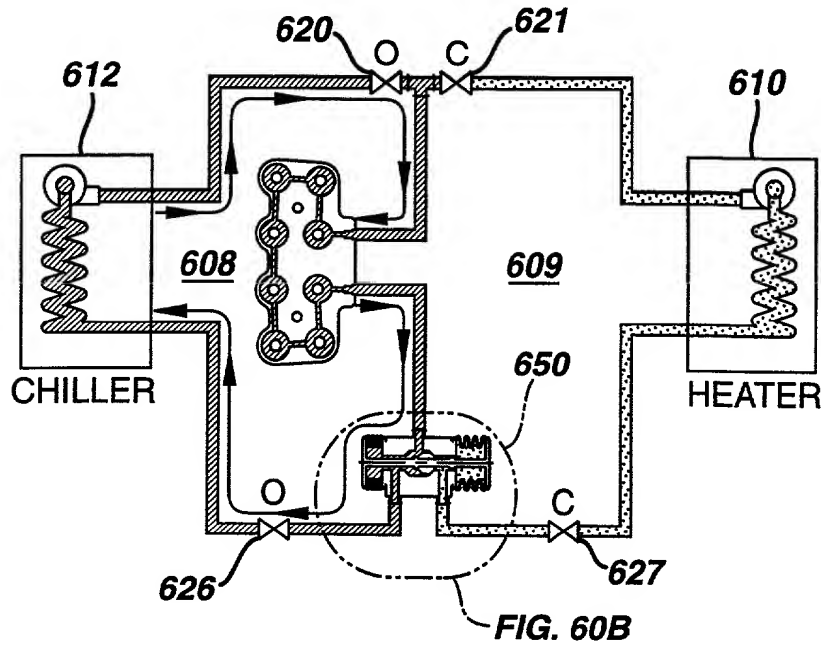


O= VALVE OPEN
 C= VALVE CLOSED

20250703 08595600

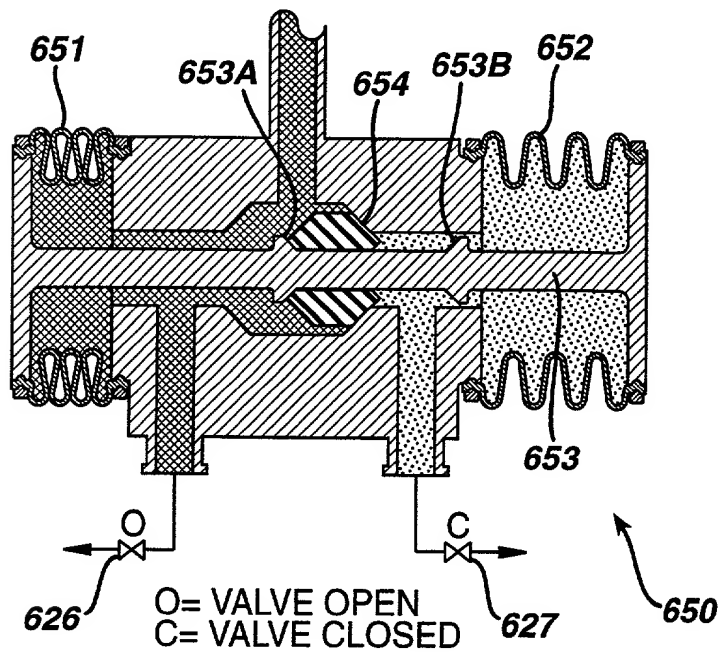
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FIG. 60A



O= VALVE OPEN
 C= VALVE CLOSED

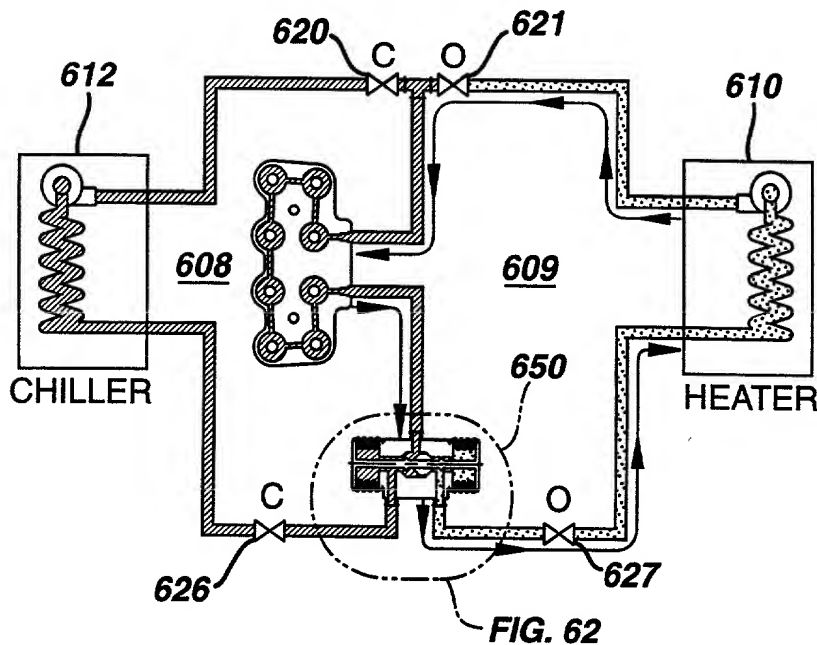
FIG. 60B



O= VALVE OPEN
 C= VALVE CLOSED

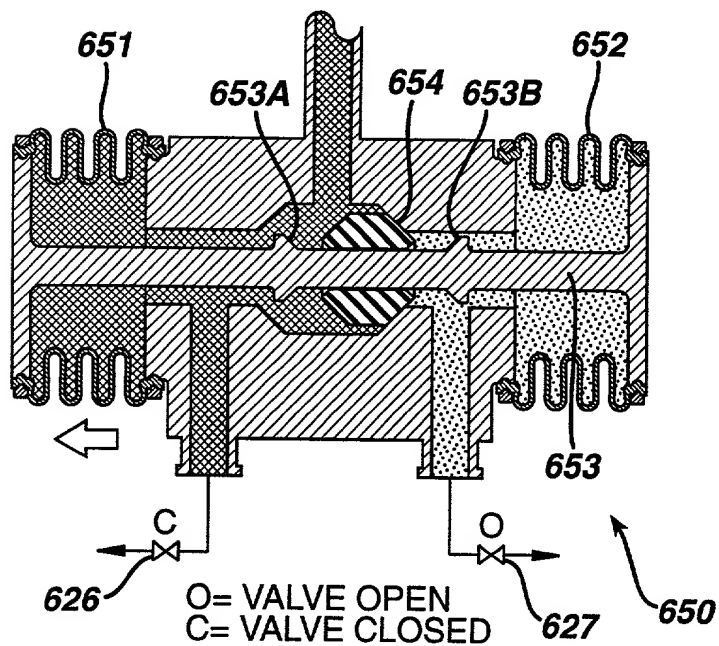
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FIG. 61



O= VALVE OPEN
 C= VALVE CLOSED

FIG. 62



O= VALVE OPEN
 C= VALVE CLOSED

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FIG. 63

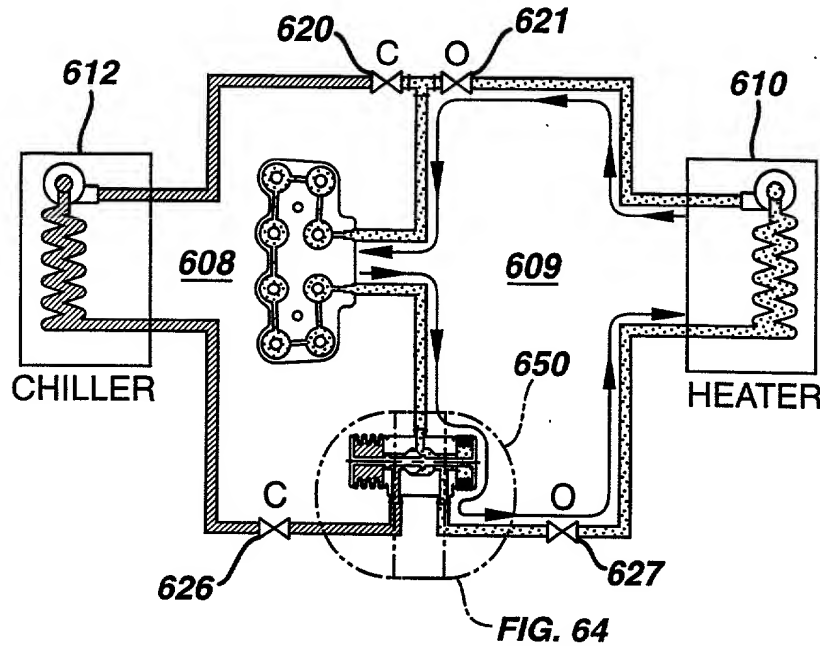
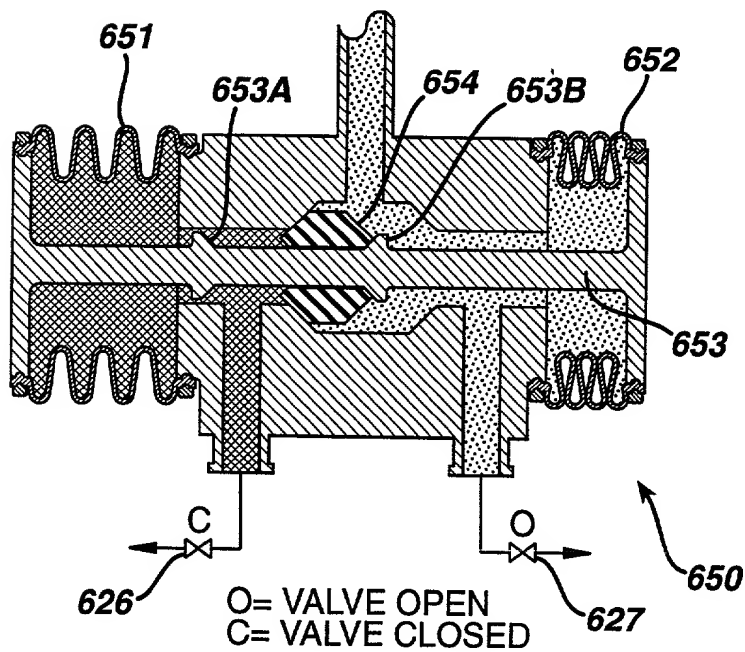
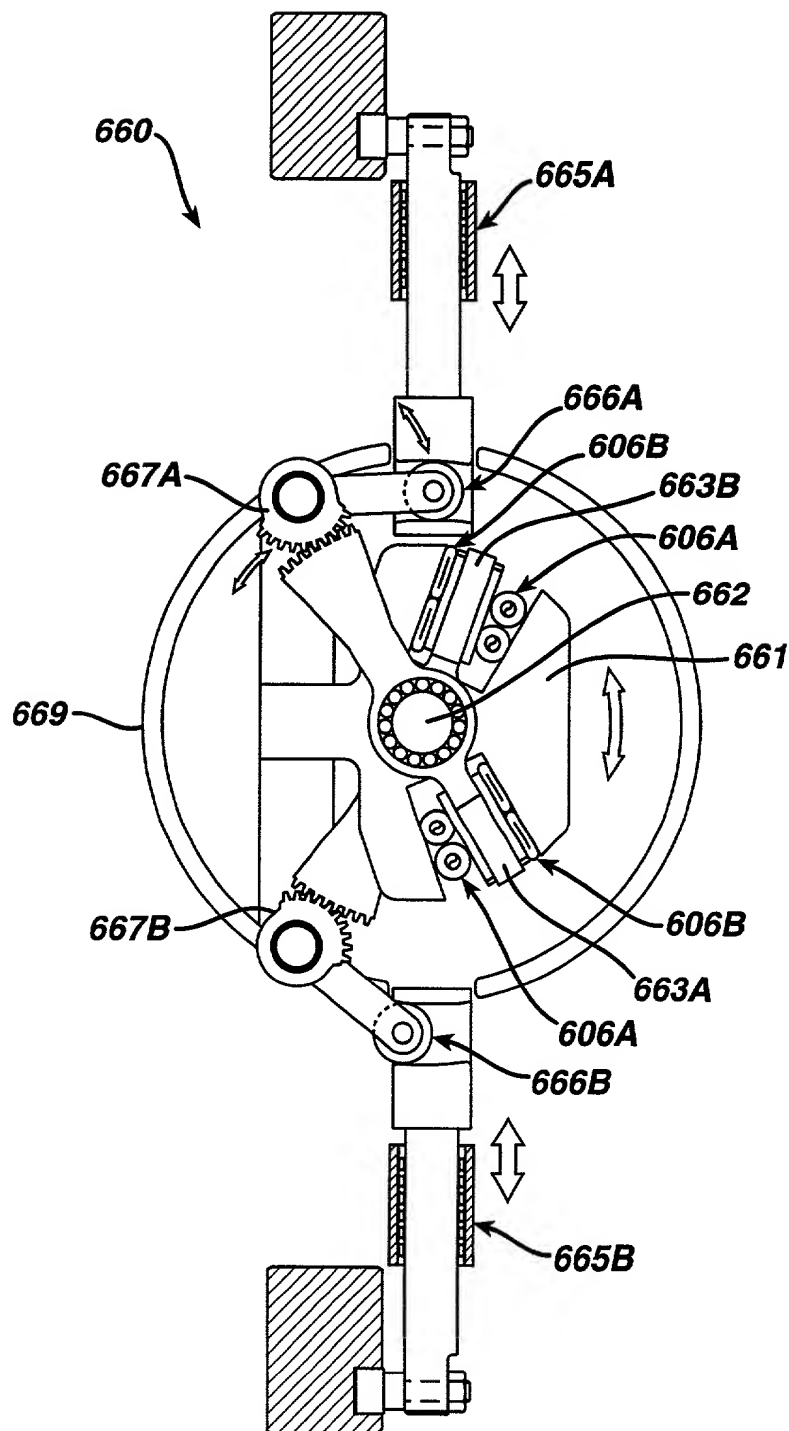


FIG. 64



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FIG. 65



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FIG. 66

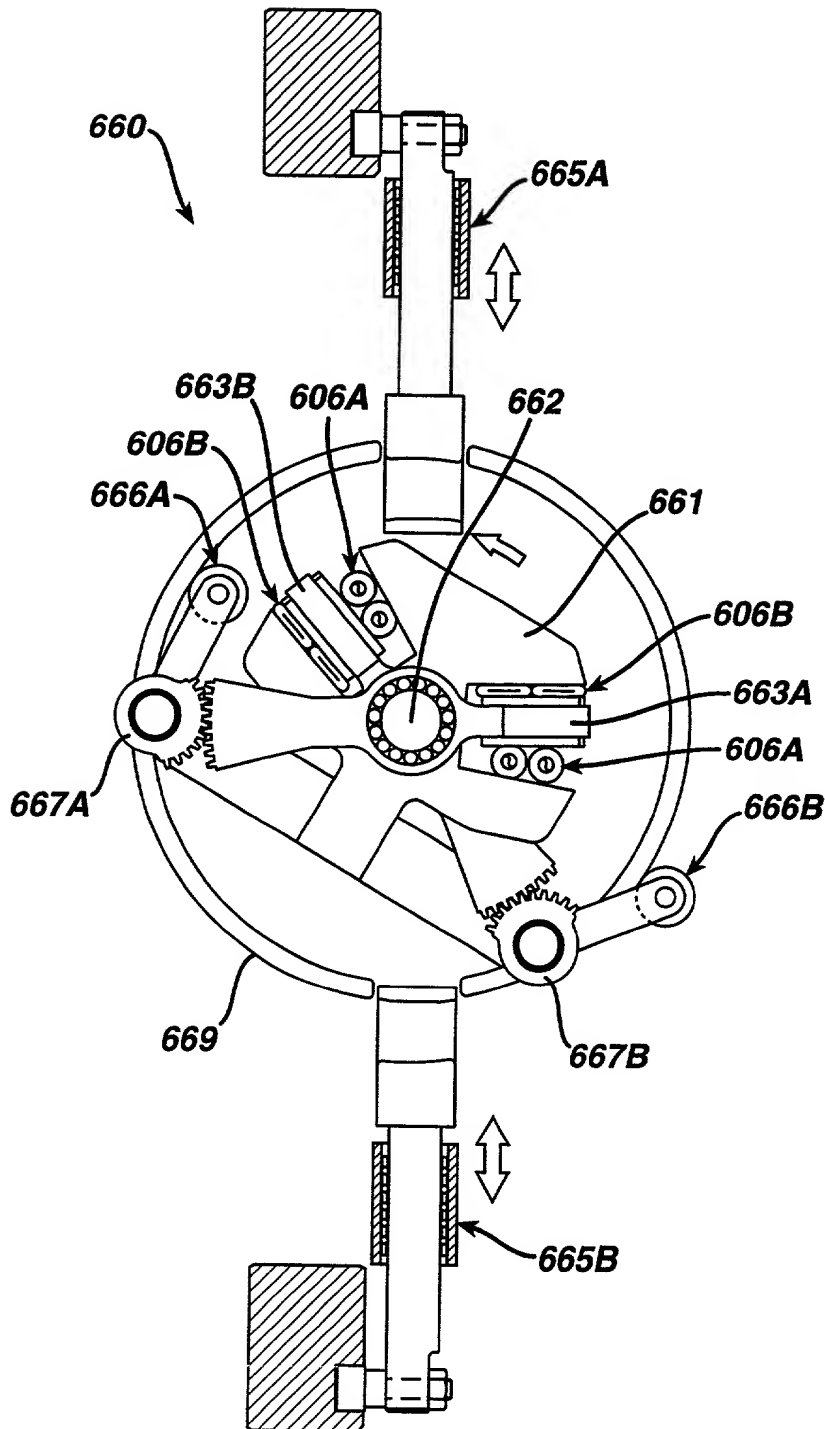
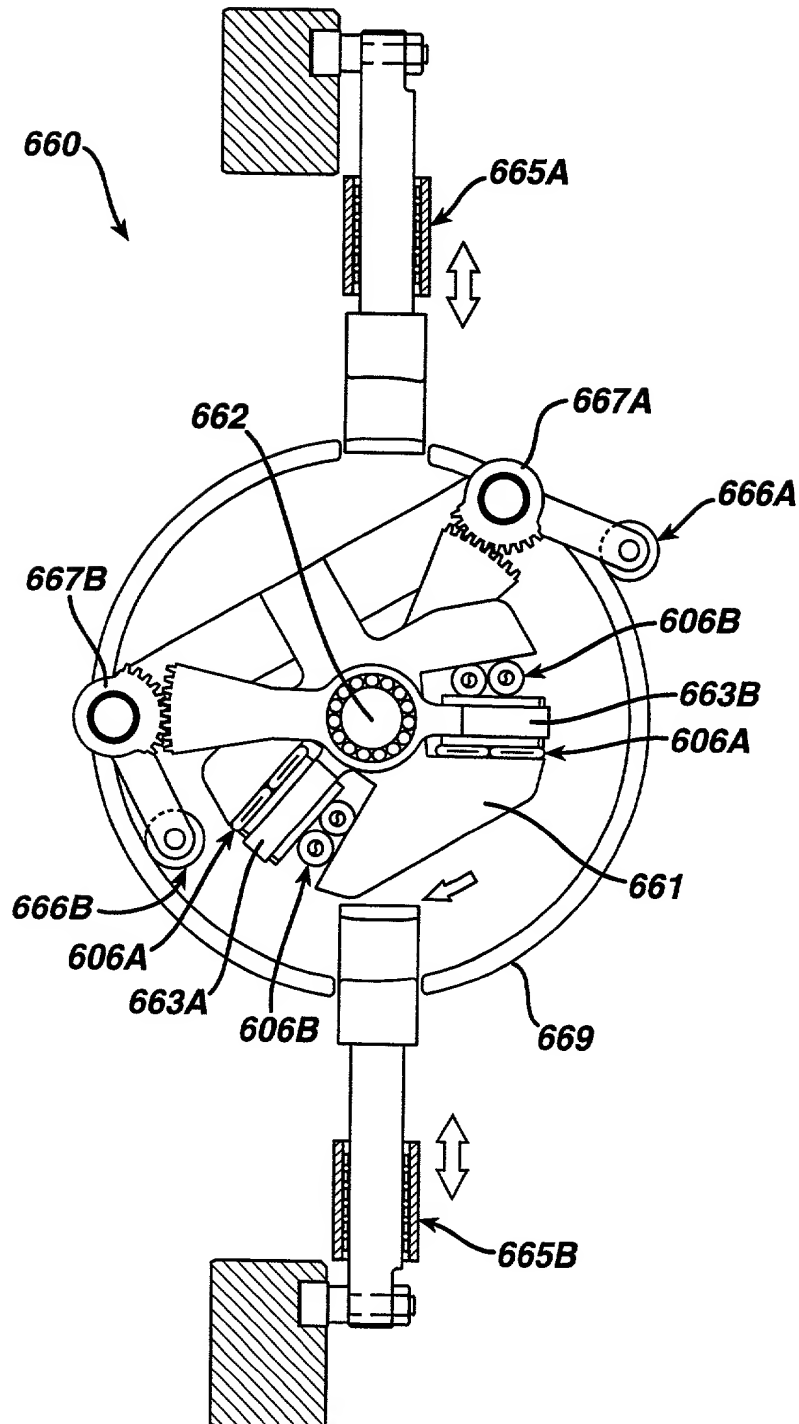


FIG. 67



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FIG. 68

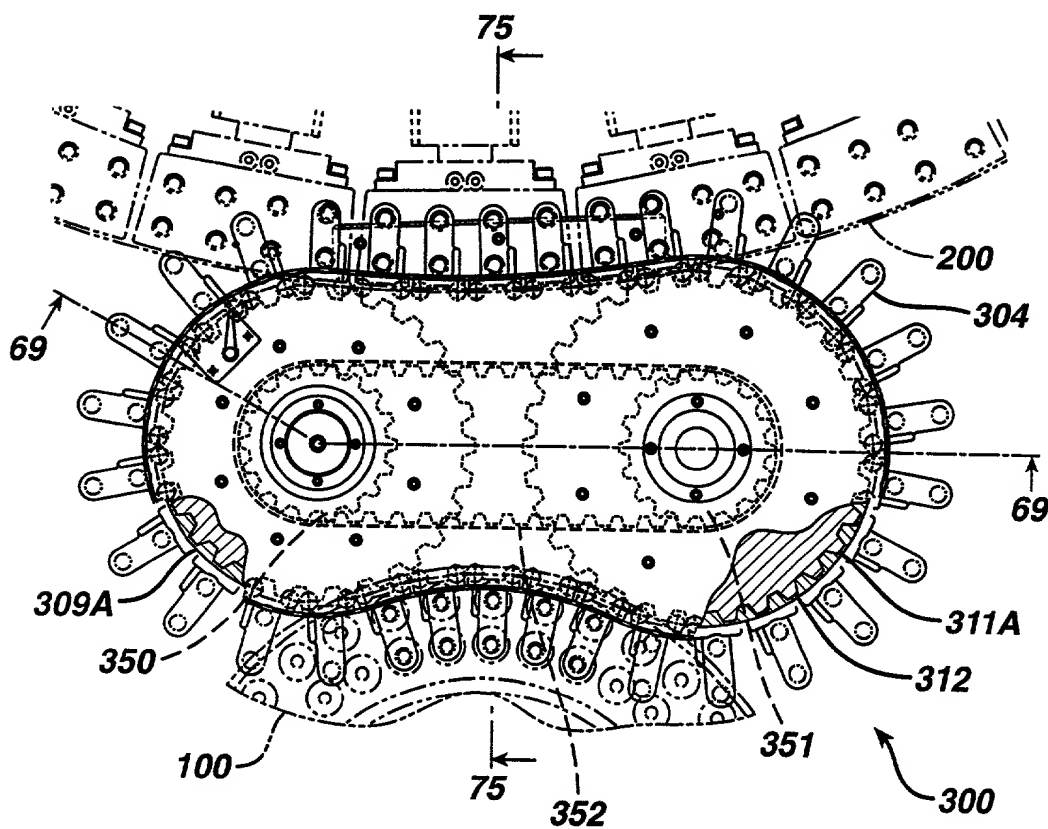


FIG. 69

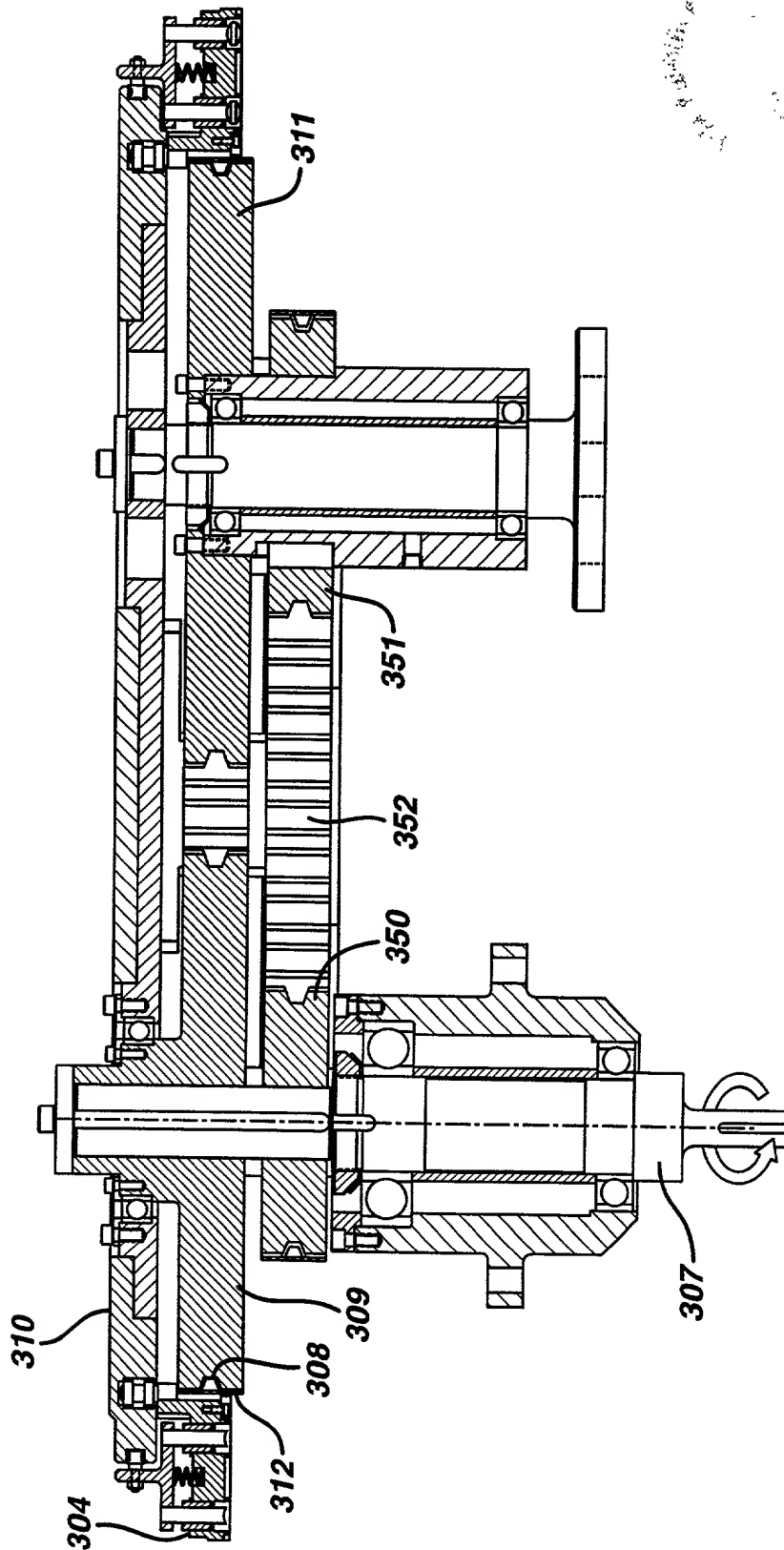


FIG. 72

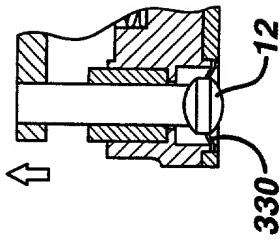


FIG. 73

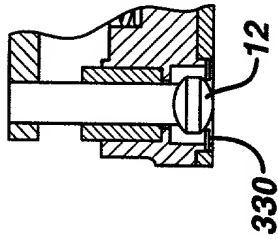


FIG. 74

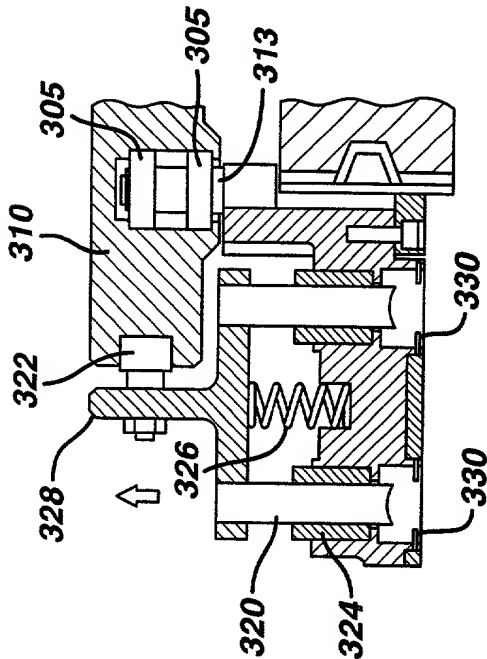
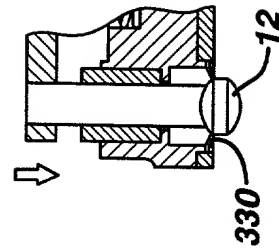


FIG. 70

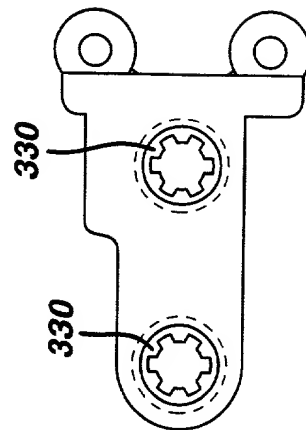


FIG. 71

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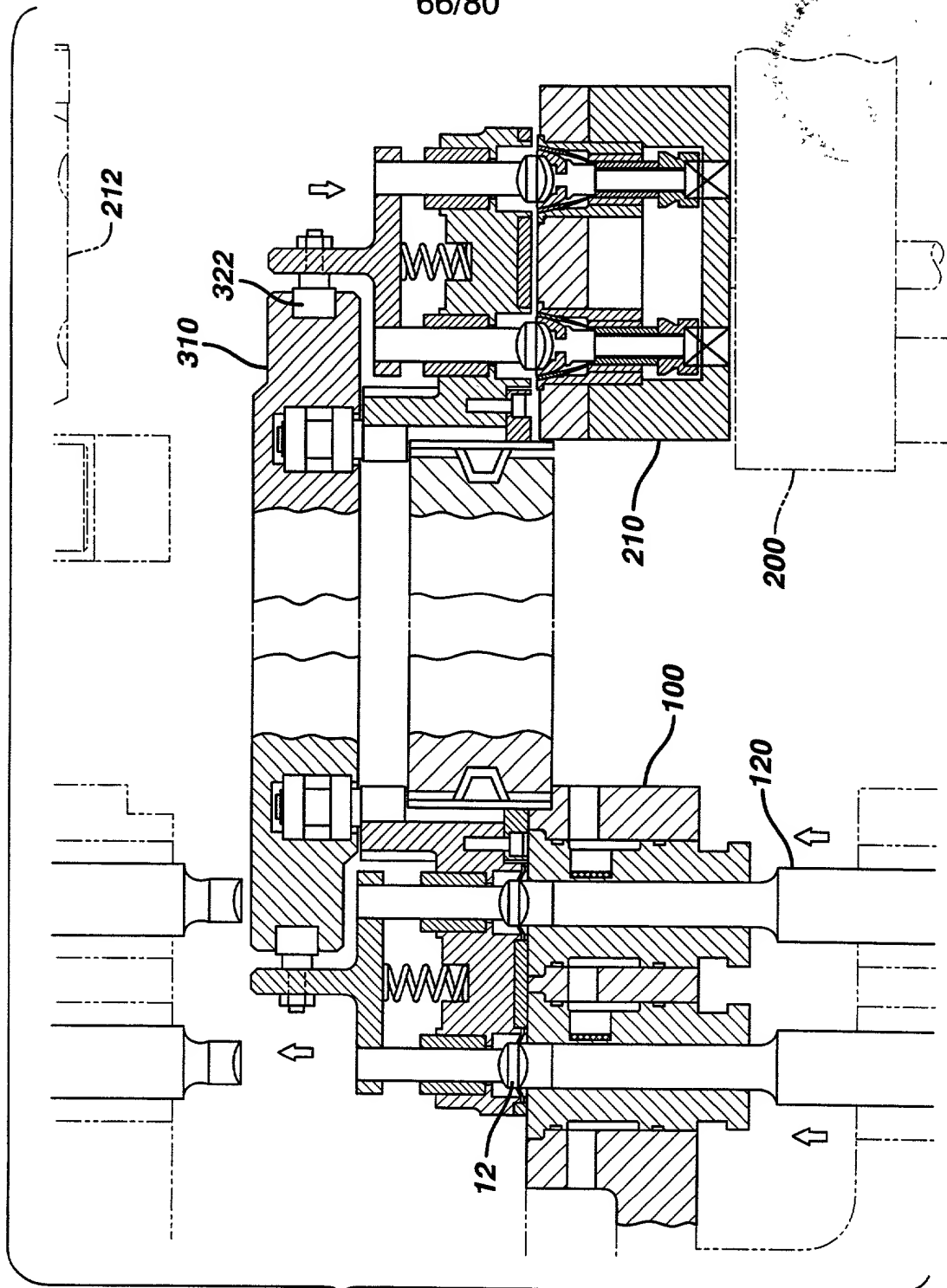


FIG. 75

66/80" 66/80" 66/80"

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FIG. 76

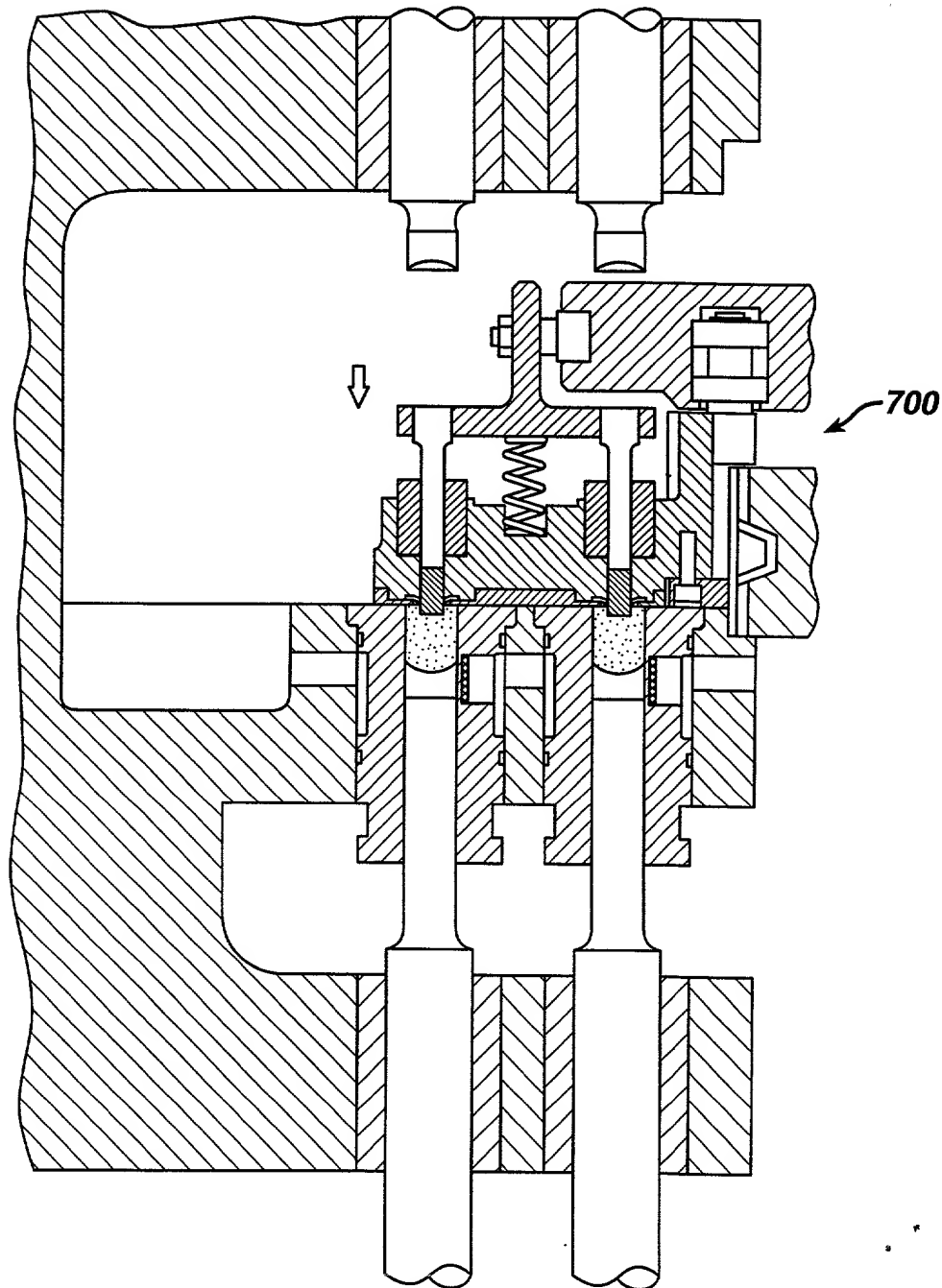
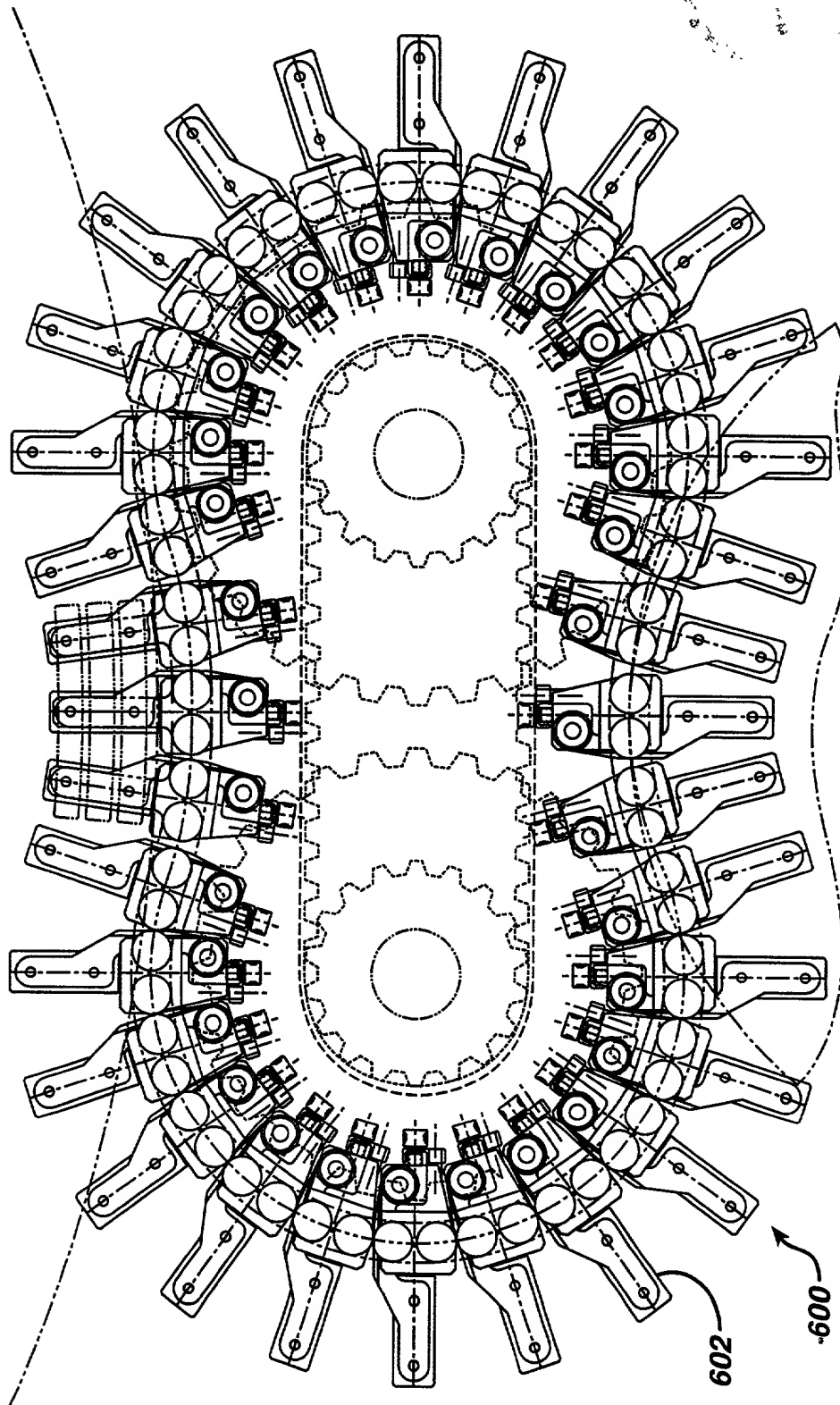
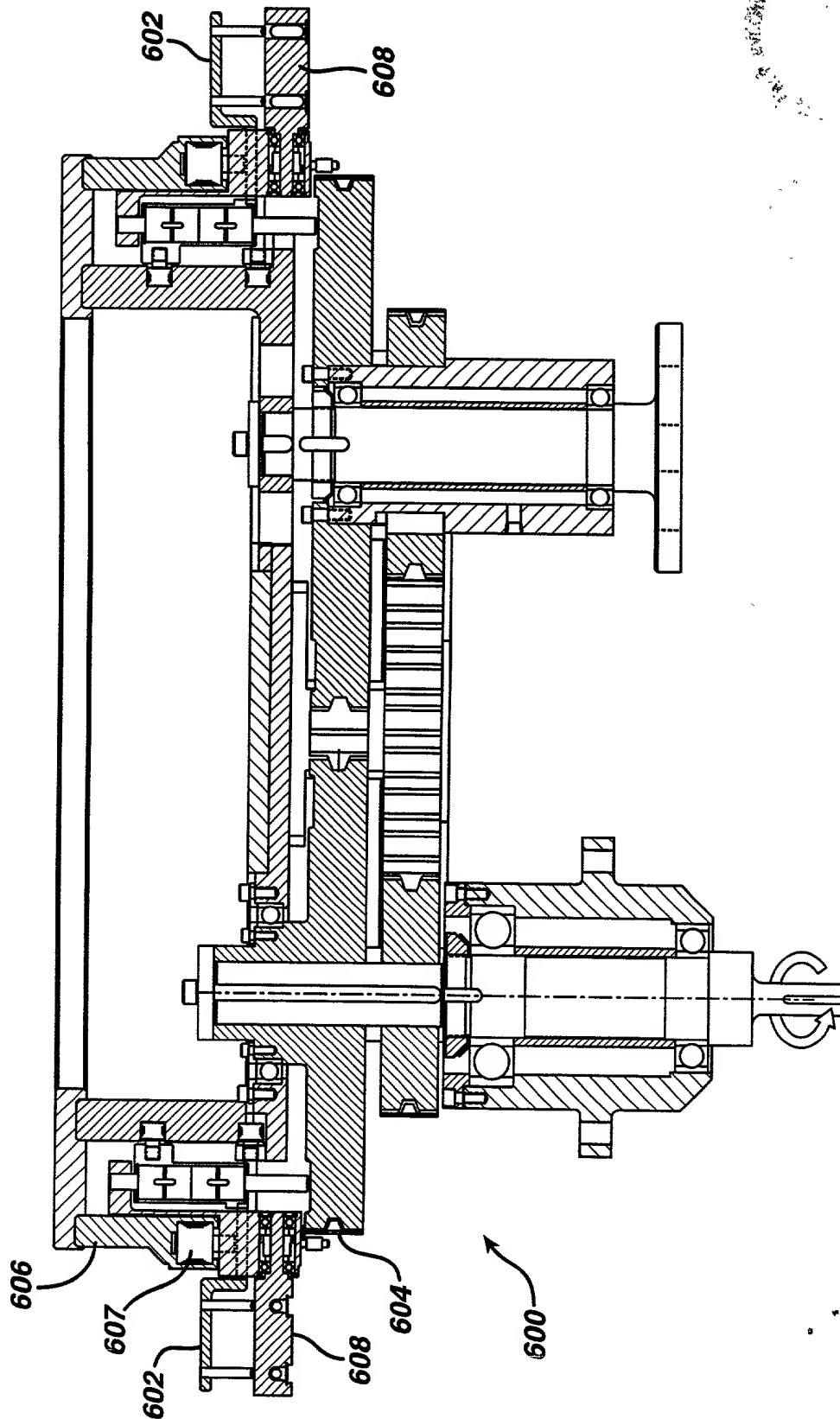


FIG. 77



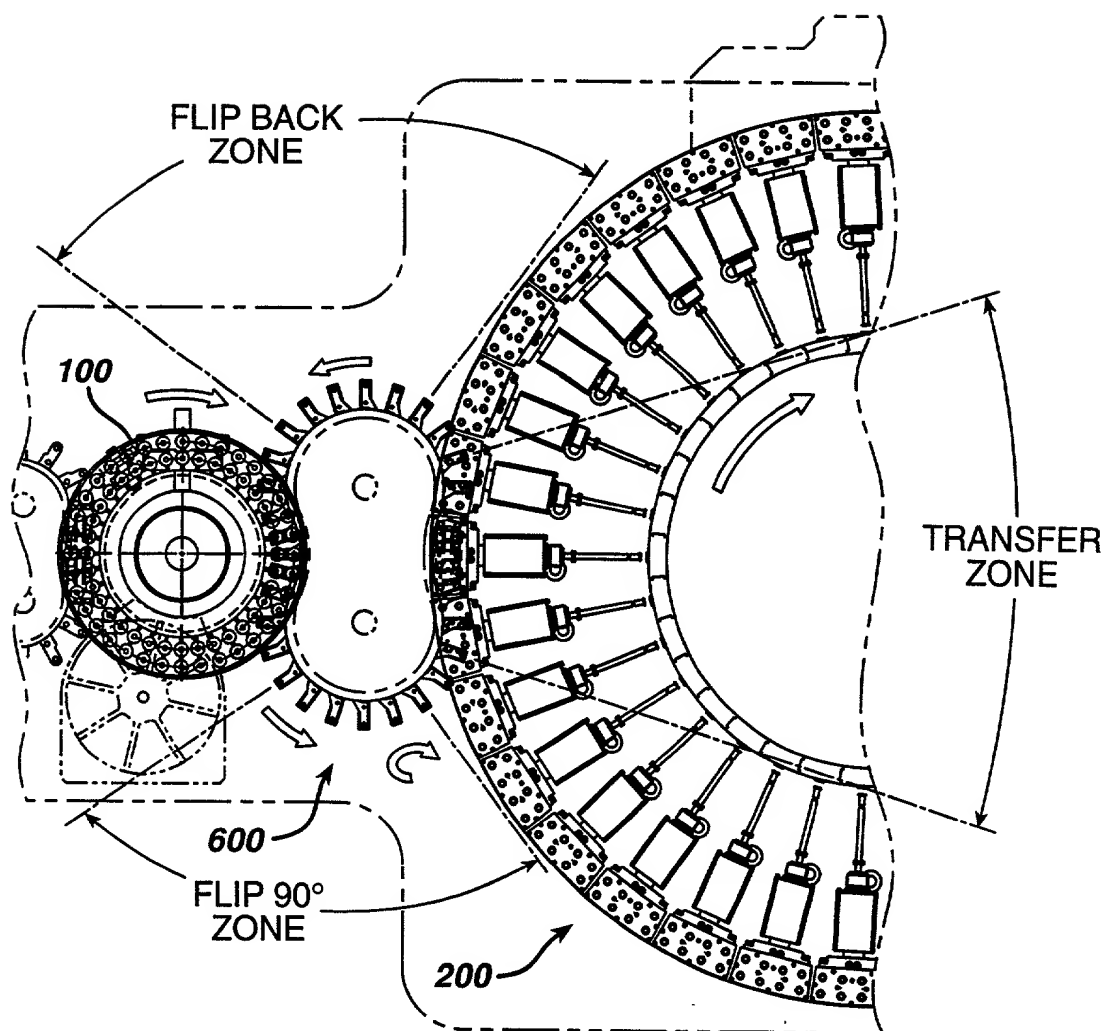
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FIG. 78



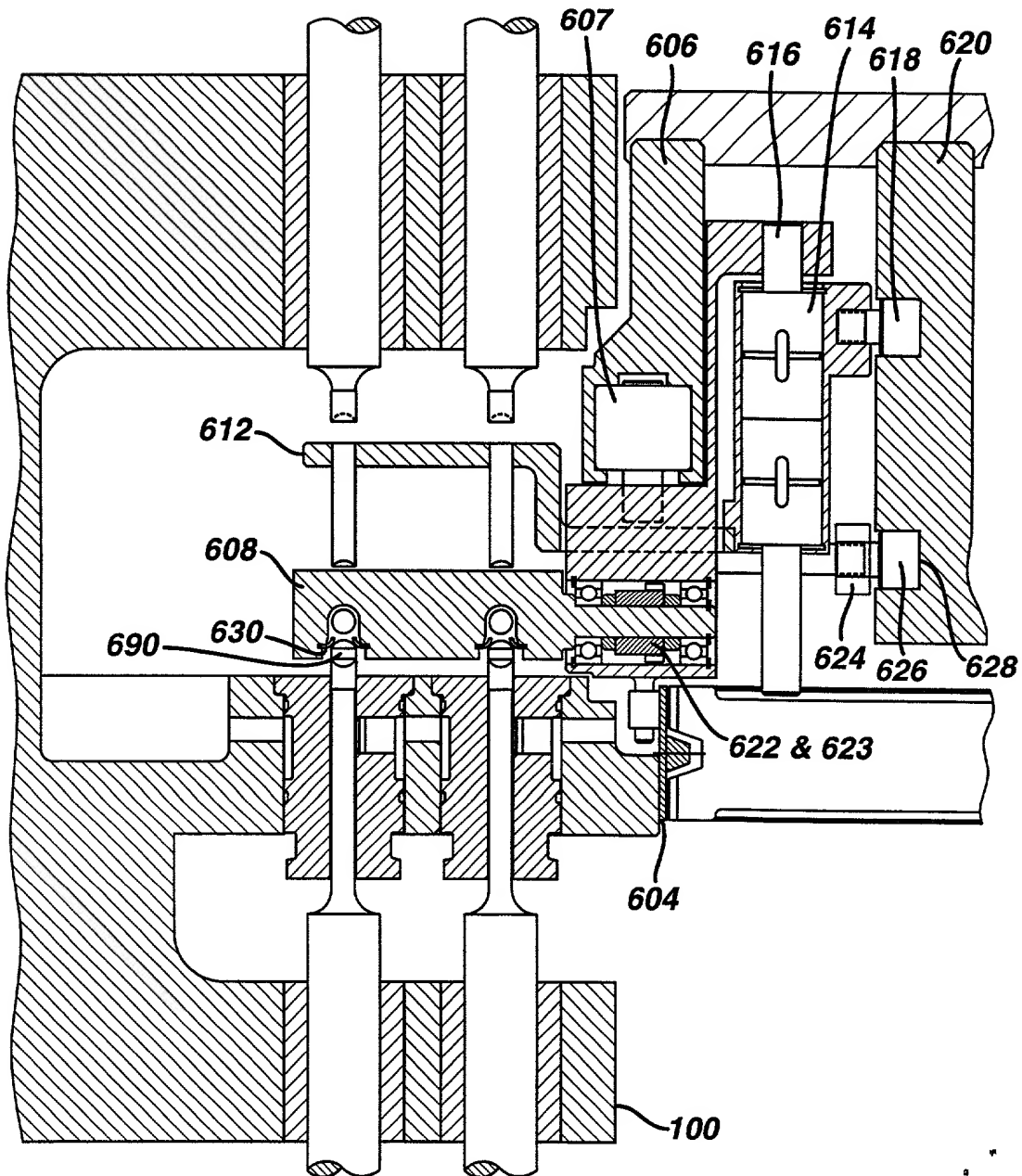
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FIG. 79



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FIG. 80



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FIG. 81D

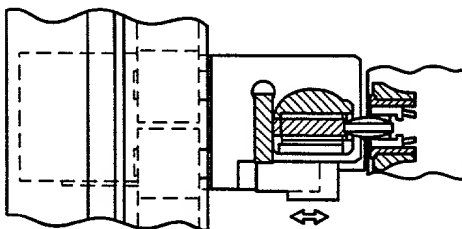


FIG. 81C

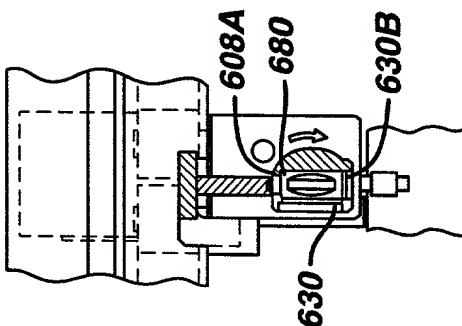


FIG. 81B

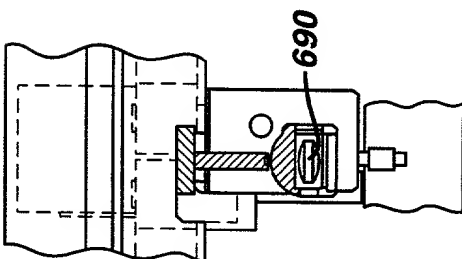
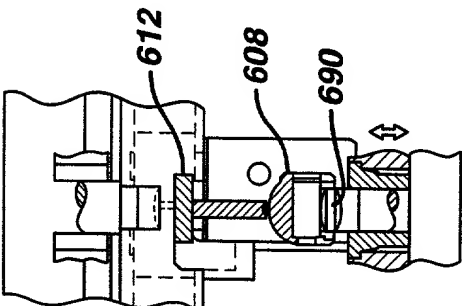


FIG. 81A



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FIG. 81G

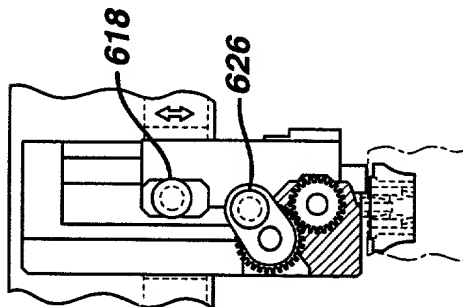


FIG. 81F

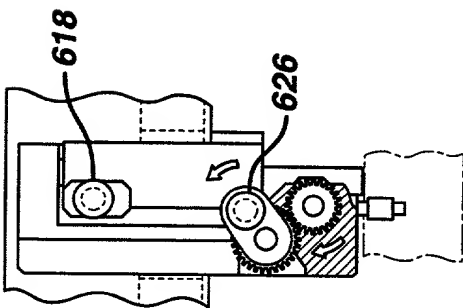
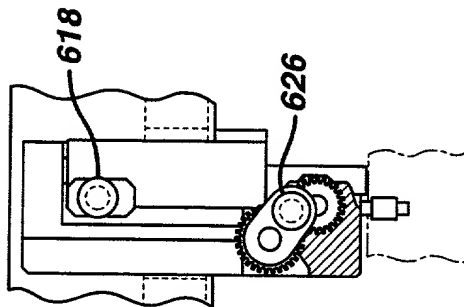
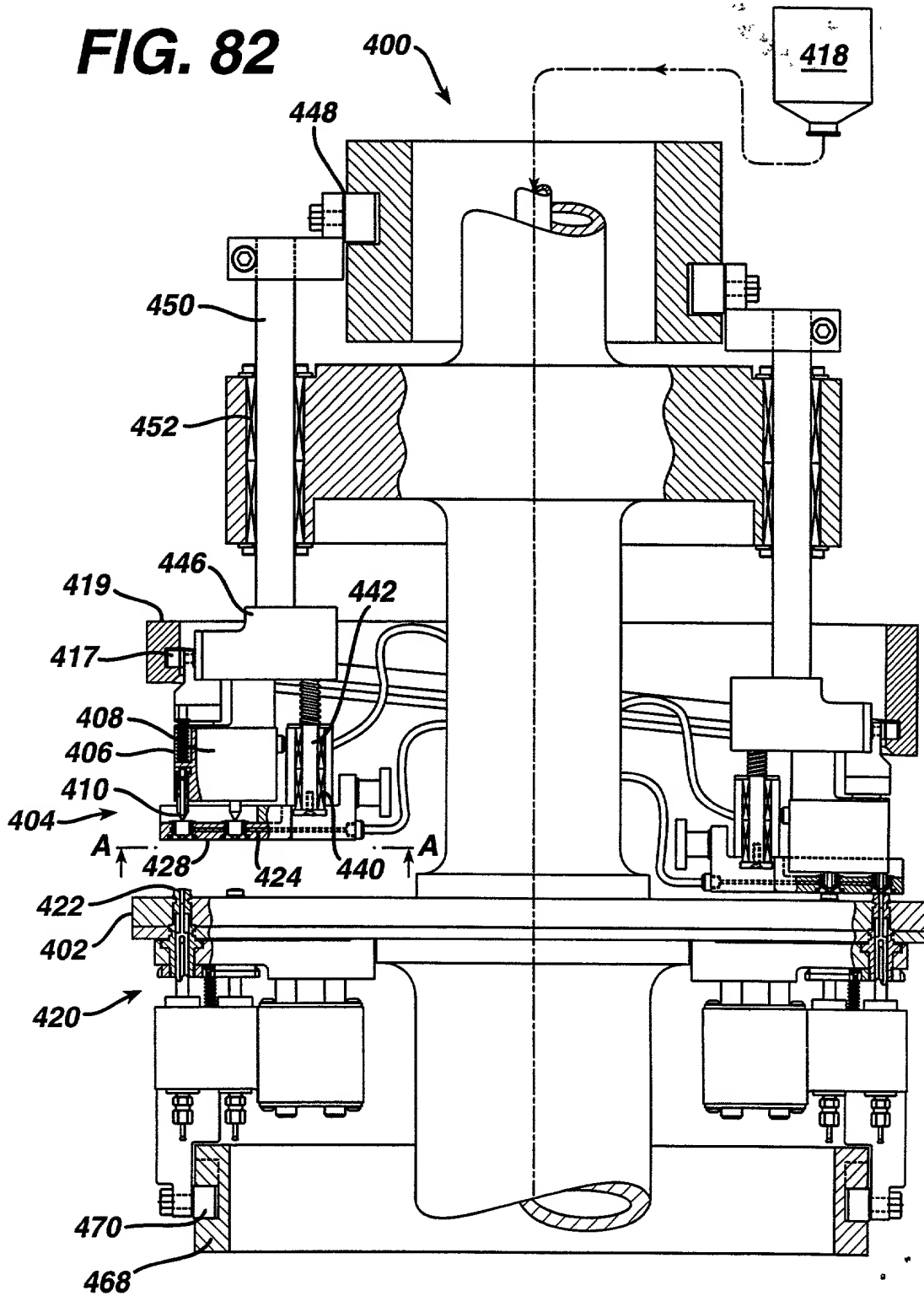


FIG. 81E



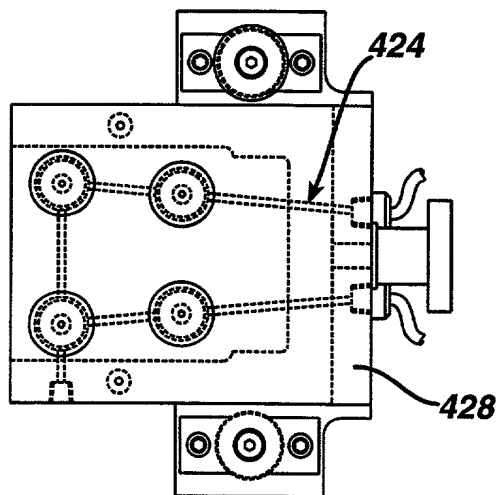
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FIG. 82



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FIG. 82A



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FIG. 84

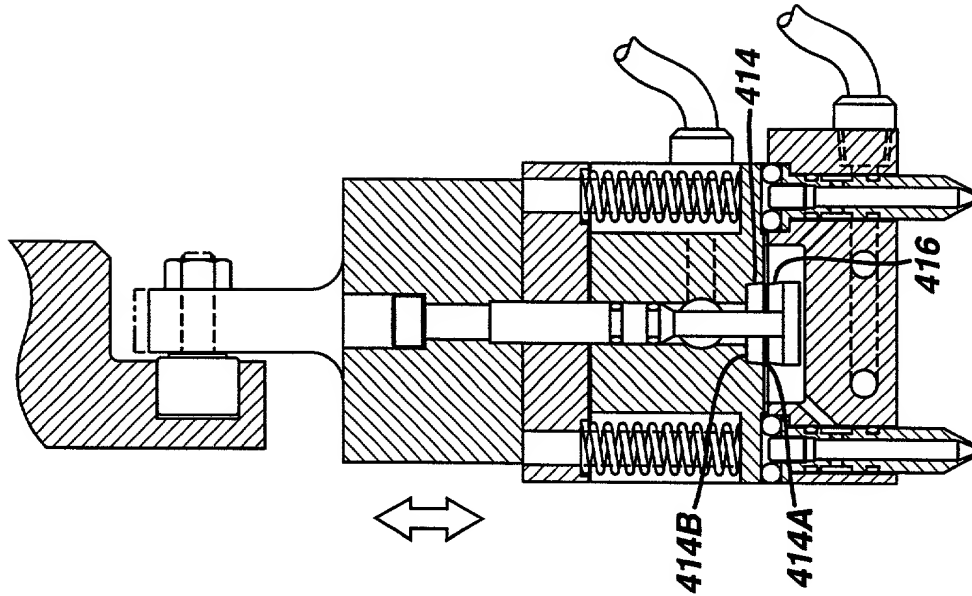
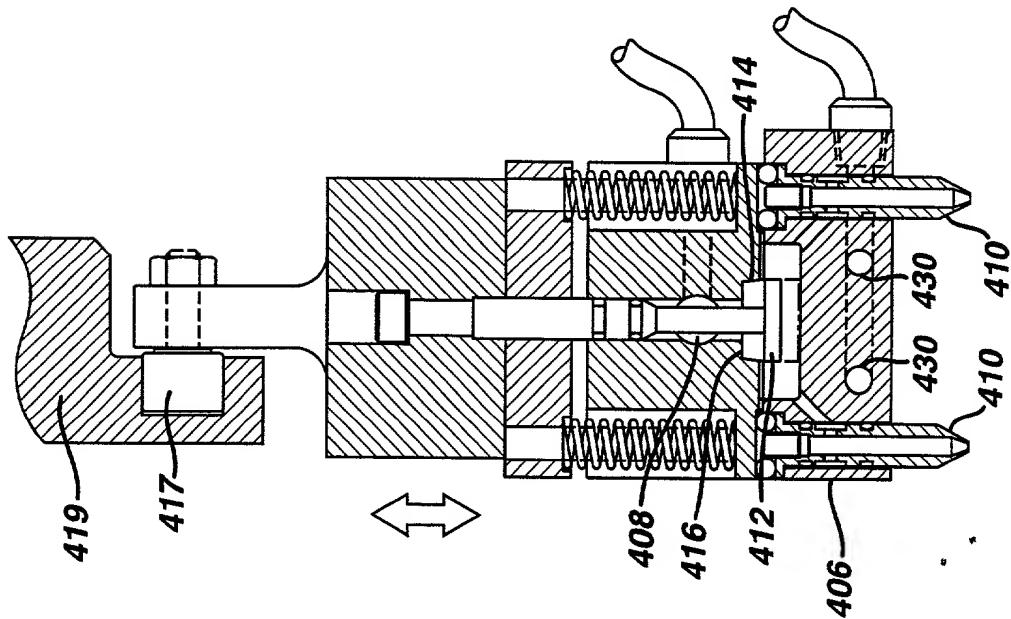


FIG. 83



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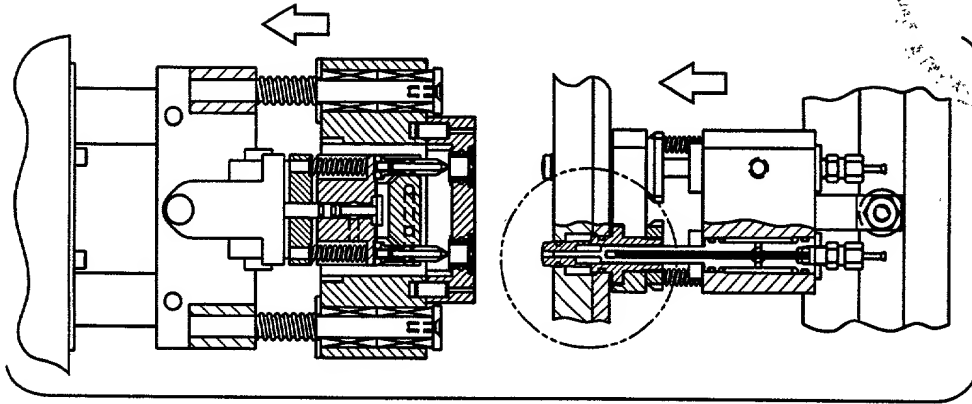


FIG. 85D

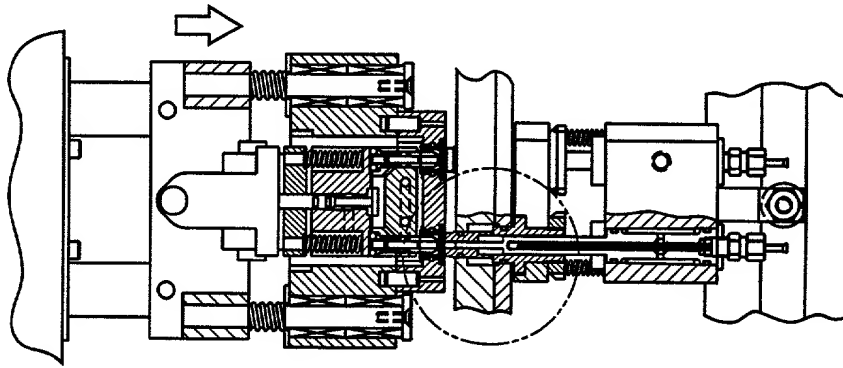


FIG. 85C

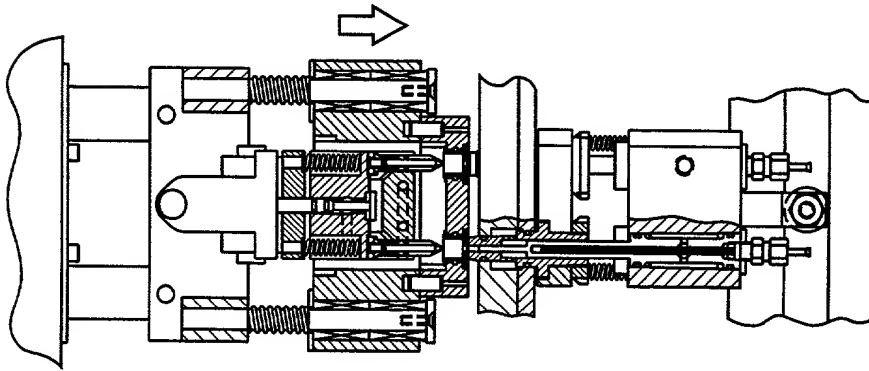


FIG. 85B

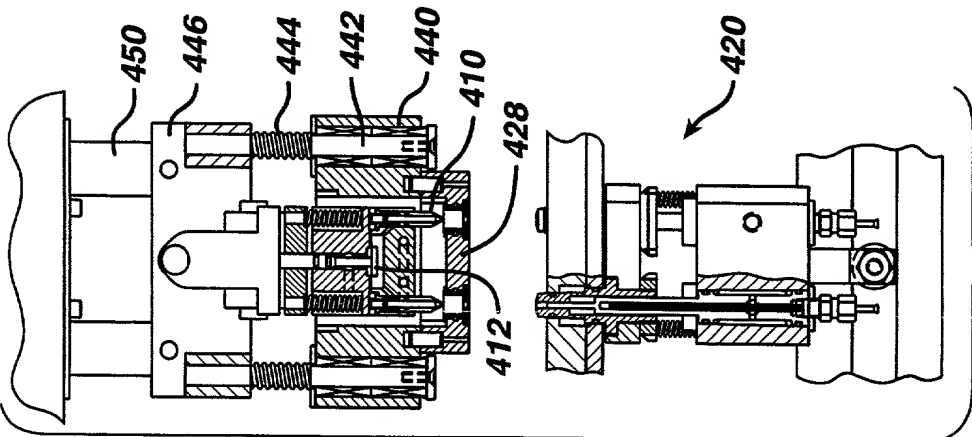
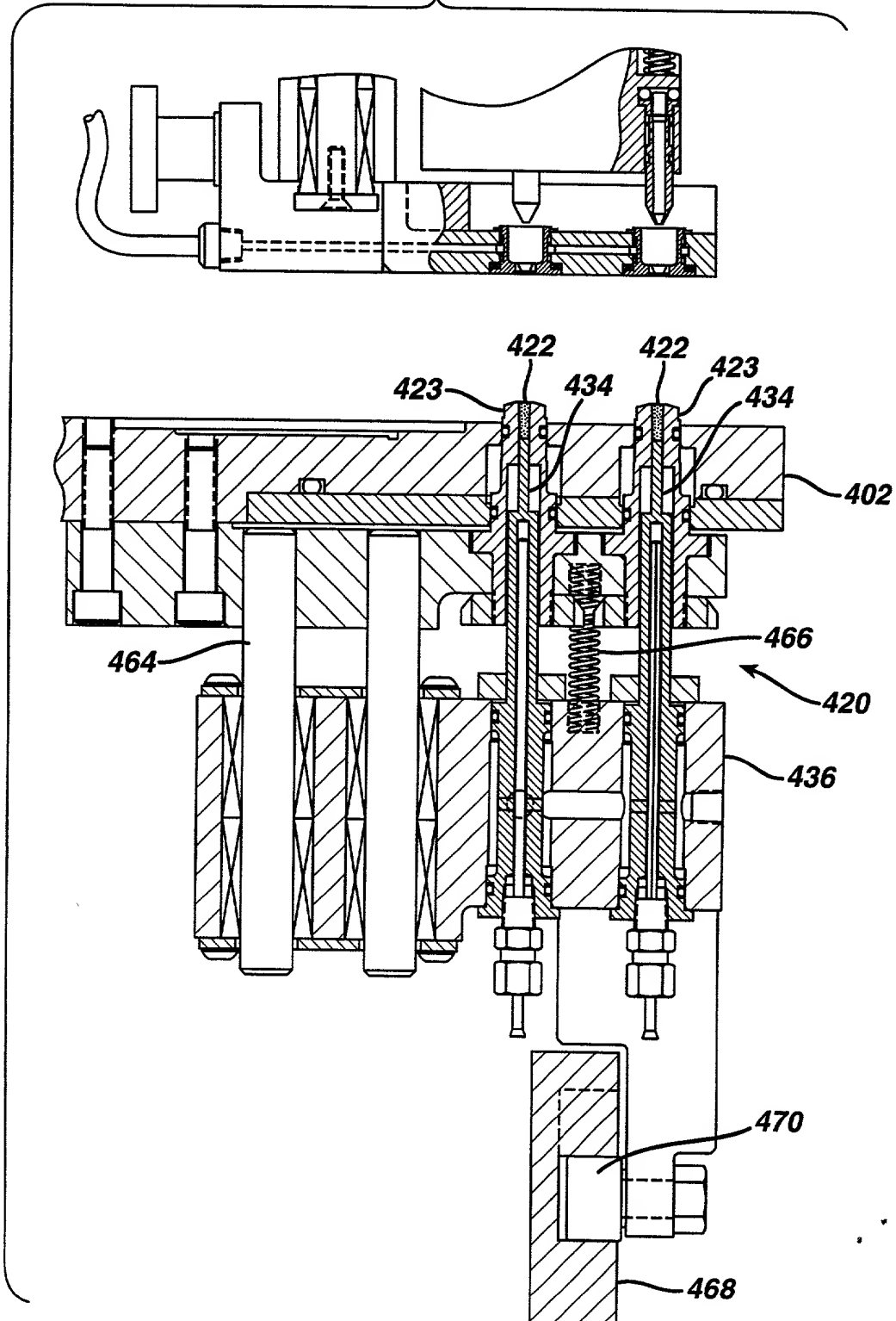


FIG. 85A

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FIG. 86



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FIG. 88

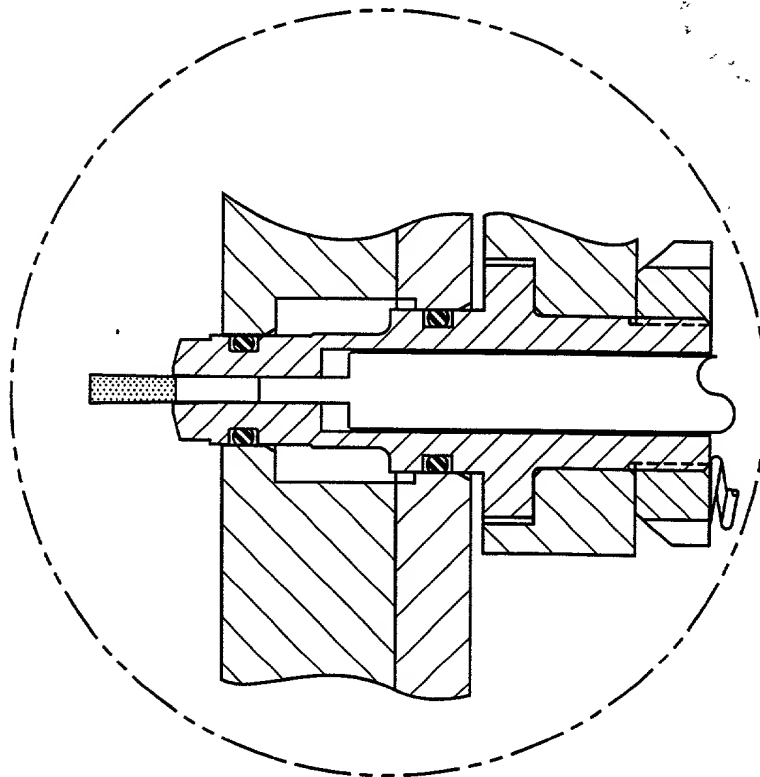


FIG. 87

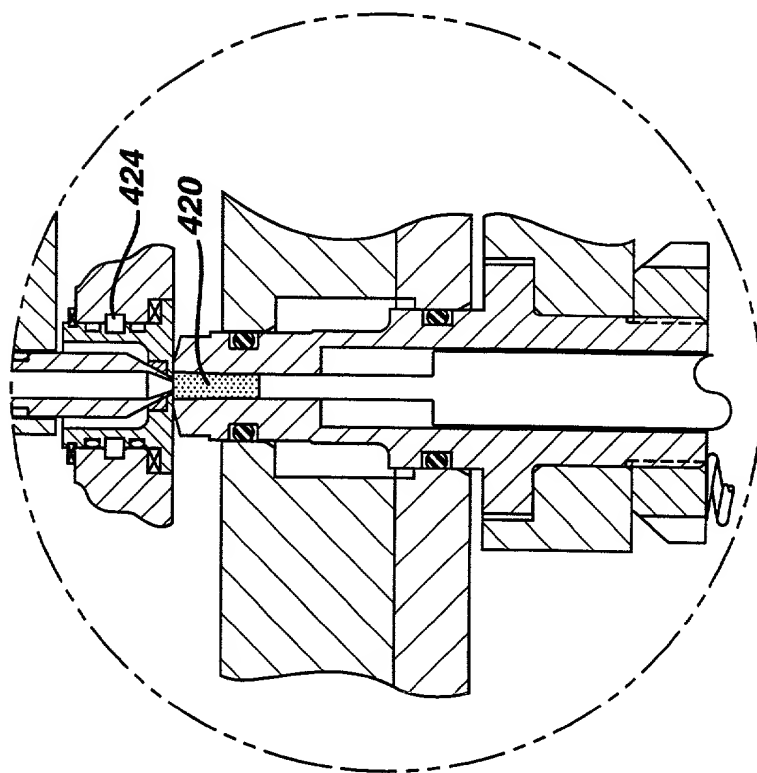


FIG. 89

